

Diran Ogunlana

<https://www.linkedin.com/in/diran-ogunlana/>

DIRAN OGUNLANA

Technical Summary

- 20 Years Principal Architect & Engineer: C# / VB.NET, .NET, .NET Core, NodeJs, MVC, MVP, MVVM, WCF, MSMQ, SMTP, UI/JavaScript/TypeScript, Java, COM+, COM, DCOM, MAPI, SMTP, Classic ASP, WPF/Silverlight (XAML), WebApi, SSO/IDP, Kafka, Service Bus
- 16 Years UI Architect: Client OO Designs, HTML5, DHTML, JSON, AJAX, LESS, Dojo, jQuery YUI, D3, React 8 - 18, Node, Angular.js 5 - 12, Prototype, XML, XSLT, YML JavaScriptMVC, Sizzle
- 18 Years Database Architect: SQL Server, MySQL, PostgreSQL, NoSQL, Redis, AzureSQL
- 12 Years Network & Systems Analyst: Windows XP - Windows 11, MacOS, Linux Distros, Shell Terminal/Scripting, Powershell
- 10 Years Mobility Platform Architect: Xamarin, Ionic, Reach Native
- 10 Years DevOps/Cloud Architect: AWS Cloud Services, Azure Cloud Services, Jenkins DevOps Docker/Swarm, GitLab CI, Azure DevOps, Kubernetes, Atlassian Bamboo Cloud

Open Source/Community Experience

Panama.Core Framework (C#)

August 2018 – (present)

Author

<https://github.com/mrogunlana/Panama.Core>

Panama is a unique framework, created to simplify software design and more suitable in designing systems for over 70% of medium and large scale business design projects. Its goal is to reduce complexity normally found in N-Tier applications where multiple “layers” (i.e. Service Layer, DataAccess Layer) required to invoke commands (i.e. save an object to a database). With Panama, the ability to invoke commands is reduced to one object that can be called directly from the UI or other top layer that a user or service may interact with directly. Currently working on Panama v3.0 microservices for distributed computing.

Products

Electronic Secure Identification Software System (EISS)

September 2020 – (present)

Owner

EISS is designed to provide secure electronic IDs (RFID) for web and mobile consumers. For example, one of its current licensees utilizes the software to provide digital IDs for middle and high school students to replace their current hard card student IDs. The mobile app receives ID specific data from a web app for display and is available for download for both Google Play and Apple stores.

The web portal is designed using React 18 and the web server utilizes C# Web API and even-driven services. The server is powered by Panama.Core and the mobile application is built using the cross-platformer Ionic 6 using Angular 14.

EISS was previously licensed to one of the largest child safety corporations in the United States.

Demos available upon request.

Corporate Experience

Photon

Jul 2023 – May 2024

Architect III

Atlanta, GA

- Spearheaded the architecture and technical strategy for high-profile projects including GoTo Foods and PeaPod Digital Labs, significantly impacting Photon's reputation and client satisfaction. Led key initiatives that resulted in the successful acquisition of major accounts, including a \$3M portfolio account for PeaPod Digital Labs.
- Designed, documented, and led the implementation of over 70% of high-level and API specifications for NextGen Platform microservices, enhancing system efficiency and scalability.
- Successfully assumed critical web architecture responsibilities under pressing circumstances, directing vital improvements and stabilizing major project deployments.
- Proactively designed the complete Subscription platform service domain, crucial for the project's success and operational stability, showcasing exceptional initiative and technical acumen.
- Conducted comprehensive comparative analyses and developed strategic recommendations (Tailwind vs. MUI, Design Token implementation), crucial in guiding the future direction of web development practices.
- Led the mobile and web experience audits, including monorepo restructure and branching strategy enhancements, significantly improving development workflow and project scalability.

Notable Accounts & Achievements at Photon

- GoTo Foods
 - Architected and refined multiple API and platform microservices using Node.js, Nest, Fastify ORM, MongoDB, and PostgreSQL, ensuring robust functionality and performance enhancements tailored to client needs.
 - Directed the complete redesign and strategic overhaul of the GoTo Foods web architecture utilizing Next.js, Tailwind, and Auth0, pulling the project out of a critical

- condition and enhancing user engagement.
 - o Oversaw and personally designed the entire Subscription Management Domain, enhancing client service management capabilities without prior support, highlighting proactive problem-solving and technical leadership.
 - o Implemented a scalable design token strategy and content strategy for the web, significantly improving interface consistency and user experience.
 - o Technology Stack for Platform Microservices: Node.js, Nest, Fastify ORM, MongoDB, PostgreSQL, LaunchDarkly; Web: Next.js, Tailwind, Auth0; Mobile: React Native, Firebase; Cloud Infrastructure: Azure (EventHub, Functions, AKS, APIM, Vault, Monitor, Cognitive Search, Redis); Ecosystem: Contentful, Olo, FreedomPay
- PeaPod Digital Labs
 - o Played a pivotal role in the pre-sales phase, leading the architectural design and solution strategy that resulted in the successful acquisition of the PeaPod platform project, securing a \$3M portfolio account.
 - o Crafted and proposed a comprehensive three-phased Azure cloud migration strategy focused on PCI compliance, modularization, and cloud-native services, setting the stage for a scalable and secure payment processing platform.
 - o Innovated a Backend for Frontend (BFF) architecture using GraphQL for enhanced mobile API interactions and integrated advanced payment processing solutions with Chase MDX.
 - o Designed a robust, secure Azure infrastructure setup to support scalable microservices orchestration and ensure comprehensive data security and application performance.
 - o Led architectural discussions and solution planning sessions that significantly contributed to the project's pre-sales success, demonstrating expert knowledge in cloud migrations and enterprise architecture.
 - o Technology Stack for Platform Microservices: Java, Spring (including transactional microservices through EventHub/Kafka), PostgreSQL, Chase MDX Cloud Services, Azure API Management, Azure Kubernetes Service, Azure Database for PostgreSQL

REV TECH

Mar 2022 – Feb 2023

Principal Architect

Seattle, WA

- Responsible for contributing to \$1.5M in technology sales within the first 6 months.
- Technological and architectural governance of several Fortune 100 accounts.
- Enterprise visionary and strategist on commercial, open-source, and custom technologies.
- Principal technology scientist and advocate of the use of Big Data and Automated Intelligence (AI) in building predictive systems.
- Leader of several multi-national product delivery teams providing recommendations and roadmaps for all technology solutions.

Notable Accounts & Achievements at REV TECH

- T-Mobile
 - Delivered event-driven licensing, topology, feasibility, and observability solutions that enabled the roll out of 5G across rural america. Modernized legacy service infrastructure with microservice design.
 - Technology Stack: .NET Core 7, Dapr, EventFlow, MSSQL, Kubernetes, Angular 14 , MongoDB/Azure Cosmos DB, Kafka, Terraform, Azure Service Bus
- JP Morgan & Chase
 - Streamlined Dynamics ERP integration solution for commercial account holders to centralize payment processing and reporting real-time.
 - Technology stack: Java 17, Spring Framework, Eventuate, Dynamics 365 Finance, Power Automate, Kubernetes, Oracle, Azure Service Bus, Power BI
- Microsoft Alumni
 - Upgraded legacy Alumni Network into a cloud-saas Dynamics 365 Power solution
 - Technology stack: Microsoft Power Pages, Dynamics 365 Sales, Events, Marketing

PoliteMail Software

Feb 2018 – Oct

2021

.NET/Typescript Architect

Portsmouth, NH

- Global List Management Service (GLMS): Technologies utilized - C#.NET 4.5, Quartz.NET, Windows Service
- Custom PowerBI Visuals: Technologies utilized - React (create-app), powerbi tools 3.0, typescript 3.0
- Developed windows services that executes a series of jobs (Quartz) on a schedule. Architecture utilized: Command/Handler platform (see: Panama.Core)
- Developed a custom react dashboard with powerbi custom visuals. Dashboard includes downloadable screenshots (via Typescript/HTML5 canvas) and adaptive visual resolutions (via custom adaptive typescript architecture)
- Developed a Microsoft Teams application that allows authors to send messages to an entire tenant: Technologies utilized - C#.NET Core 3.1, Microsoft Graph, Azure, React

Yammat Mobile

Sept 2017 – Feb 2018

Mobility Architect

Sunnyvale,

CA

- Technologies utilized: C#.NET Core 2, Web API 2, Xamarin (XAML), MySQL, Azure Data and Image (BLOB) Storage
- Developed a cross platform application (Android, Iphone) for musicians to connect.
- Implemented HMAC token security model, utilized the MVVM architectural approach on the client, and command/handler design pattern within the Web API.

ArtYah

Jul 2017 – June 2020

Web Architect

Los Angeles, CA

- Technologies utilized: C#.NET Core 2, Web API 2, Angular 5, Angular Material, Bootstrap, LESS/SASS, SQL Server, Window Services, Dapper, Autofac, MsTest
- Ground-up build of <http://artyah.com> which is a site similar to Etsy and Ebay. The current rebuild application is hosted at: <http://app.artyah.com>
- This build included a continuous integration service (Atlassian's Bamboo), source code and project management integration (JIRA, Bitbucket)

Dycom/AnSCO & Associates

Feb 2017 – Jul 2017

Web Architect

Atlanta,

GA

- Technologies utilized: C#.NET 6, Web API 2, Windows Service, TSQL, JavaScript (Angular 5), JQuery), HTML 5, RabbitMQ, NHibernate, ASP.NET MVC
- Re-wrote legacy web-based application in order to update and modernize core products for their end users.
- Re-wrote Angular implementation for SPA (single page application) based on best practices.
- Server-side processing was developed based on a command/handler based architecture I designed as well.

Georgia Pacific

Jan 2016 – Dec 2016

Web Architect

Atlanta,

GA

- Technologies utilized: C#.NET 4.5, Web API 2, Windows Service, TSQL, JavaScript (Angular 5, core.js/custom designed javascript modules), HTML 5, Bootstrap, HTML 5, Bootstrap
- Developed a Single Page Application (SPA) called the business partner creation process which is a service that allows their business partners and elevated admins within Georgia Pacific a means to create and manage vendors seamlessly from one easy-to- use web portal.
- Built a JavaScript architecture based on a JavaScript framework that I have developed in the community called core.js; the resulting client framework was developed and integrated into a set of REST Web API services that I also developed.
- Server-side processing was developed based on a distributed messaging architecture I designed as well.

Peachtree Solutions

Sep 2014 – Dec 2015

Senior-level Developer

Alpharetta, GA

- Technologies utilized: .NET 4.5, TSQL 2014, JavaScript (jQuery and other custom libraries), HTML 5, Bootstrap
- Developed full-stack ASP.NET web applications for a variety of clients such as: Plaid, and

GANCorp (National Cancer Research).

- Maintained existing web applications and worked closely with developers/QA to ensure requirements and design are completely understood and developed accordingly.

Synder's-Lance, Inc.

Feb 2014 – Aug 2014

Architect, Senior-level Developer

Charlotte, NC

- Technologies utilized: C# 3.5. .NET Compact Framework 3.5, Visual Studio 2008, Microsoft SQLCE, Mobility frameworks: Apacheta Framework: Route ACE, Reports, WPF/Xamarin (XAML)
- Developed and tested point-of-sale and warehousing applications utilizing Microsoft's mobility Framework (.NET compact 3.5). Created proof of concepts using other .net technologies such as Xamarin and Windows Presentation Foundation (WPF). Served as senior level developer in charge of point of sales and reporting development on several Enterprise projects Project Description / Technologies Utilized Mobile DSD Solution (Direct Store Delivery System) (v1.0) Mobile solution for their store delivery drivers using the Intermec CN series handheld devices.

Check into Cash, Inc.

Dec 2012 – Feb 2014

Architect, Senior-level Developer

Nashville, TN

- Technologies utilized: C# 4.5. ASP.NET MVC 4 - 5. WCF. HTML/CSS: LESS, Adapt, GridLess. JavaScript: d3.js, sizzle.js, jQuery.js, validation.js, Visual Studio 2010 - 2012, IIS 6 - 8, MSSQL 2012: T-SQL, SSRS, Message Queuing External Customer & Loan Management System (v3.0), Gridless. JavaScript: d3.js, sizzle.js
- Designed, developed, tested, implemented and maintained web-based customer and loan based portals that provide a wide range of capabilities. I supported both design, development, QA, and production .NET environments for the corporation. One of my notable achievements the enterprise UI/JavaScript architecture I designed and developed for both intranet/internet applications.
- Developed Internal LMS (Loan Management System) (v2.0) a Internal Web application that possesses a number of LMS components and compatible with multiple platforms.
- Website: <https://online.checkintocash.com/>

Alex Lee, Inc.

Dec 2011 – Nov 2012

Architect, Senior-level Developer

Hickory,

GA

- Technologies utilized: C# 4.0, ASP.NET MVC 3 – 4, .NET CF 3.5, WCF, PHP, JavaScript: sizzle.js, jQuery.js, validation.js, ajax, yui.js, ext.js, prototype.js, dojo.js, backbone.js, node.js, Visual Studio 2008, IIS 6 - 7, MSSQL 2008: T-SQL, SSRS, and NHibernate, Entity Framework 4.1
- Designed, developed, tested, implemented and maintained web-based and mobile portals that provide a wide range of capabilities. I supported both development and production .NET environments at the Enterprise level.

- Developed Retail Service System (v1.0): Web application that possesses a number of e-commerce components and compatible with multiple platforms.

Titlemax, Inc.

Mar 2011 – Dec 2011

Senior-level Developer

Atlanta, GA

- Technologies utilized: Visual Studio 2008, IIS 7, MSSQL 2008, NHibernate, N-Service Bus Architecture, Entity Framework 4.1, C# 3.5 MVC
- Designed, developed, tested, implemented and maintained web-based portals and applications that provide a wide range of capabilities. I support both development and production .NET environments at the Enterprise level. I also assisted in the functional rewrite of the existing system (Atlas) to support rapid UI development across state specific product lines
- Web application that processes new client applications, payments, and other business functions. Used in all Titlemax stores and offices in TX, VA, & GA
- Creates new client applications, manages client accounts which includes repossession, take payment, and refinancing. Frontend developed in ASP.Net MVC and Javascript: jQuery, JavaScriptMVC. Database was constructed in MSSQL 2008

Liaison Technologies, Inc.

Dec 2010 – Mar

2011

Senior-level Developer

Alphertta, GA

- Technologies utilized: C# 3.5 MVC, Visual Studio 2008, IIS 7, MSSQL 2008
- Served as senior level developer in charge of the design, development, and production implementation of the batch order error (BOE) correction system. This system is used to compile, display, and correct all erroneous orders made from a front facing internal B2B web application. All customer interface, commercial product development, and deployment strategies is done by myself and other staff or senior management.
- Build web arm of the BOE system which handles the correction of erroneous B2B orders. Its UI/Service components to handled retrieving, displaying, and correcting erroneous orders. This application has a single sign on driven from active directory. Frontend developed in ASP.Net MVC and web services and the database was constructed in MSSQL 2008
- Built internal communications layer between the BOE applications and the M3 ERP system. Its IT infrastructure is housed within an ERP system called M3 which contains information such as users, product, and customer information. This service provides the means to interface with the ERP system from within .NET

352 Media Group, Inc.

Nov 2010 – May

2012

Architect, Senior-level Developer

Gainesville,

FL

- Technologies utilized: C# 3.0 MVC, WPF (XAML), Silverlight, Visual Studio, IIS, MSSQL
- Served as senior level developer and architect on several high profile projects such as Delta, Microsoft, and Forbes Magazine.
- Worked on several Delta applications that renders the new ticketing system for there web, windows, and mobility systems using .NET and WPF

Direct Auto Insurance

Jul 2010 – Dec 2010

Senior-level Developer

Mobile, AL

- Technologies utilized: C#.NET MVP, ASP.NET 3.5, SQL Server 2008, CSS, Team Foundation Server (TFS), Omniture
- Joined a team of eight who responsibilities included creating their online renewal and endorsement applications; these applications allowed existing customers to either renew current auto insurance or to make changes to their existing insurance policies.
- The applications contained state specific business logic, data access and user interface modules which were a part of my associate duties. The original development and deployment was slated for six months, we completed development and deployed for all states in three months.
- Afterwards, the team was reduced to three persons (the team lead, myself, and another developer) and given another task to re-write their existing new business module that is located within www.directgeneral.com; this module contains the core function of the business – to gather minimal information from the user to generate a car insurance quote in under a minute.

Curtis 1000 2010

Mar 2010 – Jul

Senior-level Developer

Atlanta, GA

- Technologies utilized: Windows XP, Visual Studio .NET 2005, C#.NET, ASP.NET 2.0, SQL Server 2005, ASP.NET Storefront, CSS, XSLT, StrongMail, XML, SharePoint MOSS, IIS, Visual Source Safe 6.0, .Net Framework 2.0 - 3.5, MS ELF
- Duties included the refactoring of current order processing software (Job Processor) using C#.NET and MSSQL which handles ASP.NET Storefront orders that contained prints / proof generated from a rendering engine (XmPie).
- Overhauled back-office processors (a collection of window and console services that processed jobs).
- The system overhaul included adding additional functionality to process multiple job types (Direct Mail, Dropship, and Fulfillment). This process also included gathering and rendering all files necessary to complete the order which is then sent to another back-office processor that handles all payment processing.
- This system made use of asynchronous .NET technologies coupled with delegates and MS Enterprise Logging Framework (ELF) for error handling provided robust logging; as well as generic handling of objects through the use of .NET generics passed throughout the system for reusability of each functional piece.

- I also designed and developed other components such as their order receipt component which generated a customizable receipt via XSLT and their StrongMail component which handled the mailings of variable content.

OKI Regional Council of Governments
2010

Sep 2009 - Mar

Senior-level Developer

Oklahoma City, Oklahoma

- Technologies utilized: Windows 2003 Server, Visual Studio .NET 2008, C#.NET, ASP.NET 3.5, SQL Server 2005, XML, IIS
- Designed a fiscal analysis application using C#.NET, ASP.NET, JavaScript, and MSSQL that determines the profitability of variable land uses such as agricultural and commercial within a given jurisdiction. This software allowed for corporations to rate the likelihood of maintaining construction access to specific areas based on various factors set within the system such as current land use, neighbouring areas, and revenue generation based on the proposed land use. I managed / designed / developed the project for the governmental entity.

FIT Radio
2011

Jul 2009 – Jan

Silverlight Developer

Atlanta, GA

- Technologies utilized: C#.NET, Silverlight 3 (XAML), Expression Blend, Facebook API, SQL Server, Visual Studio, SQL Server 2008
- Streaming media client developed using Silverlight 3 smooth streaming component in conjunction with live streaming services. Frontend developed in Silverlight and web services and the backend / administrative section was developed in ASP.NET.
- <http://www.fitradio.com/>

Hosea Feed The Hungry (HFTH)

Mar 2009 – Sep 2009

Microsoft Developer

Atlanta, GA

- Technologies utilized: C#.NET, ASP.NET 2.0, SQL Server 2005, XSLT, XML, IIS, .Net Framework 2.0, Web services, CSS, XSLT, XML,HTML/XHTML, AJAX, IIS, Microsoft SQL Server Reporting Services(SSRS), Windows 2003, Visual Studio 2005, SQL Server 2005 – 2008
- International non-profit organization based out of Atlanta, GA. HFTH provides the largest sit down dinner in the US as well as other volunteer based activities for the homeless and working poor.
- URL: <http://www.hoseafeedthehungry.com>

Telular Corporation

Oct 2008 –

Mar 2009

Microsoft Developer

Atlanta, GA

- Technologies utilized: Windows XP, Visual Studio .NET 2005, C#.NET, ASP.NET 2.0, SQL Server 2005, Win Forms, MSMQ, CSS, XSLT, XML, SharePoint MOSS, IIS, Visual Source Safe 6.0, .Net Framework 2.0., Agile / SCRUM
- Augmented an existing team of six who were developing a system that processes text (status report based) messages sent from wireless.
- Messages are used to monitor the state of the chicken farm and are transmitted by devices on a wireless network. The system intercepted these messages, transforms them into XML, and places them on a MSMQ.
- Several interfaces existed for the product including a C# WinForms interface, an ASP.NET portal, and several background components that handle processing the various state of the message within the system.

SuiGeneris Boutique

Jun 2008 – Oct 2008

Microsoft Developer

Atlanta, GA

- Technologies utilized: C#.NET, ASP.NET 2.0, SQL Server 2005, XSLT, XML, IIS, .Net Framework 2.0, Web services, CSS, XSLT, XML,HTML/XHTML, AJAX, IIS, Windows 2003, Visual Studio 2005, SQL Server 2005
- E-commerce online boutique that manages a plethora of services for a fast growing bricks and clicks clothing store
- URL: <http://www.suigenerisboutique.com>

HOAWebHelp

Sep 2007 – May

2008

Microsoft Developer

Atlanta, GA

- Technologies utilized: C#.NET, ASP.NET 2.0, SQL Server 2005, XSLT, XML, IIS, JavaScript, Web services, CSS, HTML/XHTML, AJAX, IIS, Windows 2003, Visual Studio 2005, SQL Server 2005, Services(SSRS), Windows 2003, Visual Studio 2005, SQL Server 2005 – 2008
- Developed commercial product for homeowner associations.
- URL: <http://www.hoawebhelp.com>

OneClickDiner

Jan 2007 – Aug

2007

Microsoft Developer

Atlanta, GA

- Technologies utilized: C#.NET, ASP.NET 2.0 - 3.0, SQL Server 2005, XSLT, XML, IIS, .Net Framework

2.0, Web services, CSS, XSLT, XML,HTML/XHTML, AJAX, IIS, Windows 2003, Visual Studio 2005, SQL Server 2005

- Enterprise E-commerce restaurant system coupled with a user-friendly GUI that provides online ordering and reporting services for the admin and user
- URL: <http://www.oneclickdiner.com>

Healthcare Integrated Systems

May 2004 – Jan 2007

Intern/Microsoft Developer

Atlanta, GA

- Technologies utilized: Windows 2000, Visual Studio .NET 2000, C#.NET, ASP, ASP.NET 2.0, SQL Server 2000, Winforms, MSMQ, CSS, XSLT, XML, IIS, .Net Framework 1.1 - 2.0
- Duties included Data Conversions (older data layouts such as ASCII text dumps, etc to Access, SQL Server), and the development of computer interfaces designed to pass data between different types of systems, residing on diverse hardware and software platforms. Other consulting engagements include development of billing inquiry systems.
- Clients include St. Josephs Hospital of Atlanta, Dunwoody Medical Center of Atlanta, Northside Hospital, Carolinas Hospital-Florence, SC and multiple other clients. Interface for systems (GUI) were VB, and ASP. All on Windows NT Platform.

Education

Bachelors of IT, Southern Polytechnic State University, Marietta, GA

May 2008