Alberto Escalante

Senior Full Stack Developer

1412 N HAYNIE Ave | *alhiky.es526@gmail.com* | (281) 270 0636

Summary

Senior Full Stack Developer with over **10** years of experience specializing in C# .NET technologies, Angular, and Magento 2.x, skilled in building robust web applications and responsive front-end solutions. Strong expertise in leveraging Azure services for cloud deployments, microservices architecture, and advanced AI integrations.

Skills

- **Languages:** C#, C++ , VB.NET , JavaScript, TypeScript, Java, Python, SQL, PHP,

- **Frameworks:**

  - **Backend :** ASP.NET Core , .NET Framework , ASP.NET MVC , ASP.NET Web API , ASP.NET Web Forms , WinForms , WPF , Xamarin , Entity Framework , Dapper , NHibernate, Spring, Spring Boot, Node.js, Express.js , Django , Flask , Laravel
  - **Frontend:** Angular 6+ , React.js , React Native , Vue.js , Svelte , Swift , Fultter , Ionic
  - **CMS:** Magento 2.x, WordPress

- **Microservices & Containers :** Docker, Kubernetes, AKS
- **Web Technologies :** HTML5, CSS3, RESTful Services, JSON, XML
- **Cloud Services :** AWS , Azure , GCP , Heroku
- **Database :** MS SQL Server (T-SQL, Stored Procedures, Views, Table-Valued Functions), Oracle, MySQL, PostgreSQL, Redis, Cassandra, MongoDB , Redis , DynamoDB , CouchDB
- **DevOps & Tools :** Azure DevOps, Jenkins, Terraform, Docker, Kubernetes, GitHub, GitLab, Bitbucket, Jira, Confluence, SonarQube, Selenium
- **Other Technologies:** Test-Driven Development (TDD), CI/CD, GraphQL, UML
- **Methodologies:** Agile & SCRUM Development

Education

Texas Tech University – Bachelor's Degree in Computer Science
Sep 2010 – May 2014

Certifications

Microsoft Certified : Azure Developer Associate.

AWS Certified Developer : Associate.

Microsoft Certified : .NET Developer.

Professional Experience

Senior Full Stack Developer
E-Logic , INC. New York
May 2020 – Present

- **Developed** and **optimized** a scalable e-commerce platform using **C# .NET** and **React**, integrating custom payment solutions and third-party apps to enhance user experience and streamline operations for over 150,000 active merchants, leveraging **MS SQL Server** for data storage and retrieval.
- **Developed** custom Shopify themes with **Liquid** and built embedded apps using **React** for dynamic functionality. Additionally, **implemented** AI-driven recommendation engines in Shopify stores using **Python, MySQL** for product data and **Azure Machine Learning** for model training and predictions, boosting average order value by 40%.
- Designed and implemented a user-centric health records management system with React and C# .NET, currently serving over 1,000 healthcare professionals, enhancing data security and access efficiency in patient information handling.
- **Enhanced** the performance and scalability of a **Learning Management System** (LMS) using **Django** for the backend, **React** for the frontend, and **Azure Functions** for serverless processing, with **PostgreSQL** for managing user data and course enrollments.
- **Architected** and **deployed** a multi-tenant financial analytics dashboard using **Angular** and **C# .NET**, incorporating Machine Learning models using **Azure Machine Learning** to provide predictive insights and real-time reporting, which led to a 25% increase in user engagement.
- Integrated **Azure API Management**, **Azure Functions** and **Azure Cosmos DB**, to enable advanced inventory management and order tracking capabilities, improving the efficiency of supply chain operations for clients by 30%, while optimizing data storage with **PostgreSQL**.
- **Migrated** legacy on-premises systems to **Azure**, leveraging **Azure Virtual Machines**, **Azure SQL Database**, and **Azure Blob Storage** to create a scalable, cloud-based infrastructure that reduced operating costs by 30% with **MS SQL Server** for relational data migration and management.
- Deployed and managed microservices using **Azure Kubernetes Services (AKS)** and **Docker**, ensuring seamless scaling and high availability for e-commerce platforms, utilizing PostgreSQL in the microservices architecture
- Automated infrastructure provisioning using Terraform and optimized CI/CD processes using **Azure Pipelines**, reducing deployment time by 60% and minimizing manual intervention during the release process.

- Implemented **CI/CD pipelines** using **Azure Pipelines** and **Jenkins**, automating deployment processes across multiple environments and reducing deployment times by 60%.
- Launched a secure payment processing solution leveraging **Stripe API** and **PayPal** SDK, implementing encryption protocols that increased transaction security and reduced fraud incidents by 25% over a six-month period.

Full Stack Developer
Protiviti, Austin, TX
Feb 2016 – Feb 2020

- Engineered a comprehensive wealth management platform using **C# .NET**, **React**, and **Azure Cosmos DB**, integrating complex financial instruments and real-time data feeds to support investment strategies for high-net-worth clients, leveraging MS SQL Server for transactional data and reporting.
- Migrated legacy financial systems to **Azure**, leveraging **Azure Virtual Machines, Azure SQL Database** and **Azure Blob Storage** to improve platform scalability, reduce operational costs by 30%, and handle growing demand for services like personal loans and investment management, using **PostgreSQL** for data storage and management.
- Developed AI-powered fraud detection algorithms using **Python** and **Azure Machine Learning**, and integrated them with **C# .NET** to analyze transaction patterns in real-time and reduce fraudulent activities by 35%, with PostgreSQL supporting fraud detection data.
- **Implemented** a microservices-based architecture using **Docker** and **Azure Kubernetes Services (AKS)** for a high-frequency trading application, ensuring low latency and high availability across global markets, utilizing **MS SQL Server** for performance-optimized data storage.
- Architected and deployed a microservices-based wealth management platform using **Azure Kubernetes Service (AKS)** and **Azure Service Fabric**, ensuring high availability and fault tolerance across global markets.
- **Contributed to the development** of an **AI-powered marketing automation platform** using **Angular** and **Node.js**, providing real-time analytics and A/B testing features to improve campaign effectiveness, with **MySQL** for managing campaign data.
- **Optimized** data storage and retrieval processes by implementing **Azure Cosmos DB** and **Azure Blob Storage** for the financial platform, reducing latency and improving performance by 40%.
- **Designed** and **developed** RESTful APIs and **GraphQL endpoints** using **Node.js** and **Express.js**, facilitating seamless integration with third-party financial data providers with **PostgreSQL**.
- **Optimized** database performance for financial applications by implementing advanced indexing and partitioning strategies in MS **SQL Server** and **PostgreSQL**, resulting in a 40% reduction in query execution times.
- **Automated** CI/CD pipelines using **Azure Pipelines** to streamline deployment processes and reduce lead times for new feature rollouts.
- **Collaborated** with data scientists to integrate predictive analytics and AI models into the platform, providing clients with actionable insights and enhancing decision-making processes.

Junior Software Engineer
BCG, Boston, MA
June 2014 – Jan 2016

- **Developed** an AI-driven e-commerce recommendation system using **Python** for machine learning and **C# .NET** for serving the model via an API with **Azure Cosmos DB** for data storage, enhancing user personalization and increasing sales by 30%.
- **Deployed** an AI-driven e-commerce recommendation system on **Azure**, using **Azure Virtual Machines, Azure Blob Storage and Azure Functions** to ensure scalability and reliability during peak traffic periods.
- **Implemented** secure payment gateways for an online retail platform using **C# .NET** and **React**, ensuring compliance with industry security standards and improving customer trust with **MS SQL Server** for handling payment transaction data.
- **Developed an NFT-based crypto game** using **Solidity, Ethereum smart contracts**, and **Web3.js**, enabling players to trade, collect, and engage in decentralized game economies through seamless in-game transactions and token minting.
- **Automated** data processing workflows using **Apache Airflow** and **Python**, significantly reducing manual data entry and improving data accuracy across financial reporting systems.
- **Designed** and **developed** a mobile app for financial transactions using **React Native** and **Firebase**, providing users with real-time account management and transaction tracking capabilities with **MySQL** for backend data storage.