Darren Flores *Senior Full Stack Engineer*

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🔗 Portfolio

Overview

Senior Full Stack Developer with **10+ years of experience** building **high-performance web and mobile applications** in **healthcare, finance, travel, and restaurant industries**. Experienced in **frontend and backend development, AI integration, cloud architectures, and mobile solutions**. Proven ability to **lead teams, optimize complex systems, and deliver measurable impact on performance and scalability**.

Core Strengths:
- Frontend: React.js, Next.js, Angular, Svelte, Vue.js
- Backend: .NET / .NET Core (C#), Python Django, Node.js, PHP, Laravel
- Mobile: Android (Kotlin, Java, Jetpack Compose), React Native, iOS
- Cloud & DevOps: Azure, AWS, CI/CD pipelines, Git
- AI / Machine Learning: TensorFlow, PyTorch, Scikit-learn
- Web GIS / Map-based Applications
- UI/UX, responsive design, component-based architecture
- Mentoring, leadership, Agile/Scrum

Professional Experience

Senior Full Stack Engineer   05/2022 – Present
Nominal   Los Angeles, CA

- **Engineered AI-powered dashboards** for healthcare and finance applications, enhancing predictive insights for 10,000+ users and improving operational efficiency by ~**25%**
- **Implemented full-stack solutions** using React.js, Next.js, Angular, .NET C#, Python Django, Node.js, and Laravel, delivering new features **20% faster** while maintaining high code quality
- **Architected scalable microservices and APIs**, enabling seamless handling of **high-volume transactions** and improving system reliability
- **Developed dynamic data visualization components** for interactive dashboards, improving decision-making for stakeholders across multiple departments
- **Optimized application performance** by implementing caching strategies, lazy loading, and API throttling, reducing page load times by **25–30%**
- **Automated CI/CD pipelines using Azure DevOps and Docker**, cutting release cycles in half and ensuring zero downtime during deployments
- **Mentored junior engineers** on AI integration, mobile development, and full-stack best practices, increasing team efficiency and code maintainability

- **Designed and integrated Android mobile applications**, including REST API consumption, Firebase synchronization, push notifications, and offline caching for 5,000+ users

Senior Backend Engineer   01/2018 – 03/2022
Truckstop.com ⧉   Los Angeles, CA

- **Developed and optimized backend APIs and microservices** using .NET Core (C#), Python Django, Node.js, PHP, and Laravel, supporting **50,000+ daily active users**
- **Engineered complex financial and logistics systems** for healthcare and finance domains, ensuring compliance with data privacy regulations
- **Built Android backend integrations**, including REST APIs, Firebase sync, and push notifications, supporting **~10,000 concurrent mobile users**
- **Optimized database performance** (SQL Server, PostgreSQL, MongoDB) to reduce response times by **~20–25%**
- **Implemented Azure cloud solutions and serverless functions**, streamlining deployments and cutting infrastructure costs by **$5K/month**
- **Mentored mid-level engineers and led architecture discussions**, improving code quality and system scalability

Full Stack Engineer   03/2015 – 12/2017
Newport Beach   Los Angeles, CA

- Developed core trading platform features utilizing .NET Core backend services with React and TypeScript frontend frameworks, delivering real-time trade execution and portfolio management tools.
- Designed and maintained RESTful APIs and integrated WebSocket-based real-time data streams to ensure instantaneous market dataupdates and user notifications.
- Managed SQL Server databases with optimized query structures and data models to handle high-volume financial transactions securely and efficiently.
- Built and maintained CI/CD pipelines with Azure DevOps and GCP tools toenable rapid and reliable feature releases and infrastructure updates.
- Implemented robust unit and integration testing strategies using Jest and Mocha to ensure reliability of critical trading workflows.
- Collaborated with product owners and UX designers in Agile/Scrum environments to deliver intuitive and high-performance user interfaces.
- Integrated Stripe payment APIs and CRM tools to support subscription management and customer engagement workflows.
- Employed Azure Blob Storage and App Services for hosting scalable services and managing large datasets securely in the cloud.
- Contributed to cloud infrastructure optimization using Terraform and Ansible, enhancing deployment consistency and operational resilience.
- Played a key role in cross-team knowledge sharing and mentoring to elevate engineering standards and foster innovation

Education

Bachelor of Science (B.S.) in Computer Science   08/2011 – 01/2015
University of California, Santa Cruz   Santa Cruz, CA

Skills

- React
- mongodb
- Angular
- Vue.js
- C#
- .NET Framework
- Django
- PHP
- JavaScript
- SQL
- JSON
- RESTful APIs
- OpenAPI
- AWS
- C++
- TensorFlow
- Chatbots
- AWS SageMaker
- Swift
- Flutter
- Native iOS
- Node
- Next.js
- Nuxt.js
- Tailwind CSS
- .NET Core
- Python
- Flask
- Laravel
- TypeScript
- PostgreSQL
- MongoDB
- GraphQL
- Microsoft Azure
- Docker
- Java
- PyTorch
- OpenCV
- Azure ML
- Kotlin
- React Native
- Git

Linkedin

https://www.linkedin.com/in/darren-flores-897067293 ☐

Github

https://github.com/JobStar-success

Portfolio

https://darrenportfolio.vercel.app/ ☐

Languages

English
C1