

# Frankie Rodriguez

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Results-driven Enterprise Software Developer with a proven track record of six years in developing robust and scalable software systems. Recognized for exceptional collaboration and communication skills, effectively understanding complex customer requirements and translating them into innovative projects. A detail-oriented professional who excels at diving deep into project intricacies to deliver tailored solutions. Self-motivated and adept at problem-solving, with a keen ability to develop efficient systems. Proficient in utilizing AWS and web development technologies to drive impactful outcomes.

## Skills

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### Java

- First professional language
- Over 40 repositories on Github
- Over 10,000 lines written
- Uses Java 8 on a daily basis but is up to date with the latest release version



### JavaScript

- Worked on enterprise Express API Middleware services that were made to handle over 100 million requests per day
- Proficient in JS browser-based applications



### Spring Framework

- Main backend framework used in a professional capacity
- I have Implemented countless REST APIs using Spring Boot as well as other parts of the Spring Ecosystem



### RDS & SQL

- Proficient in SQL Queries and implementing into back-end systems
- Dialects and implementations I have experience working with are Postgres, Oracle, and MySQL



### Git

- Proficient in local git usage and admin repository and branch management in GitHub
- Converted four enterprise web applications from SVN to Git



### Jenkins

- Constructed over 14 Jenkins pipelines over the course of 2 years
- Have a lot of experience with both declarative and scripted pipeline definitions



### React

- Has Experience with creating simple websites and platforms in React
- Have used frameworks based on React, like GatsbyJS
- Has a good understanding of reusable components, and hooks



### Angular

- Have used this UI framework the most throughout my career in an enterprise capacity
- Have immense experience with large-scale platforms using Angular; over twelve projects contributed to
- Proficient in module structuring, module lazy loading, Angular constructs such as guards and interceptors, Angular Material, and more



### AWS

- Have performed work in AWS in a small business and an enterprise context
- Have deployed applications using EC2, ECS, Lambdas, API Gateway, Code Commit, Code Pipeline, and CloudFront (CDN)
- Have managed DNS routing using Route 53 for companies with complex routing setups
- User Admin experience with IAM and Cognito

# Professional Experience

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## Comcast Cable, Philadelphia, PA

### Software Engineer III • Contractor

Aug 2023 – Present

- Contributed to the construction of various front-end OTT (Over-the-Top) sales applications tailored for TV hardware, ensuring seamless user experience and alignment with business objectives.
- Collaborate closely with cross-functional teams to develop and implement new features, leveraging cutting-edge technologies to drive business growth and enhance customer satisfaction.
- Actively participate in the development lifecycle, from conception to deployment, contributing innovative solutions and adhering to best practices in software engineering.
- Engage in regular on-call rotations, swiftly addressing and resolving technical issues to uphold service availability and minimize customer disruptions.
- Contribute to the ideation and execution of new projects, leveraging agile methodologies to iterate quickly and deliver high-quality solutions that exceed stakeholder expectations.

## CSC Global, Wilmington, DE

### Software Engineer

July 2020 – July

2023

- Led the implementation of best DevOps practices for delivering a modernized web application, utilizing Jenkins to create automated job suites for efficient deployment.
- Play a key role in a large-scale, multi-year project, gaining expertise in system design, containerization, orchestration, cloud technologies, and microservice architecture.
- Develop and maintain a network-utilized web application with an Angular front end, leveraging Java /Spring Boot APIs, and Oracle (SQL) Databases for robust functionality.
- Troubleshoot customer-facing issues, implementing many enhancements to address common issues and improve user experience.
- Provide algorithmic and architectural solutions, offering feature recommendations and optimization strategies while maintaining legacy systems.
- Advise senior leadership on practical changes supported by clean coding principles such as TDD and the 12 Factor App.

- Improve application workflow through CI implementation using Jenkins and GitHub.

## **Associate Software Engineer**

May 2018 – July 2020

- Actively participated in modernizing a legacy WebLogic-based Java application, collaborating with the team to drive successful outcomes.
- Migrated codebase from multiple SVN repositories to GitHub repositories, improving code management and version control.
- Developed separate components of the application, with the front end utilizing Angular and the back end built with Spring and Spring Boot.
- Assisted in handling production emergencies, ensuring timely issue resolution within strict Service Level Agreement (SLA) constraints.
- Engaged in inter-team collaboration to solve complex problems and meet customer requirements across the company.

## **Notable Projects**

### **Compliance Mail Application**

May 2022 – Present

I am currently involved in a transformative multi-year project at CSC, contributing to the development of a new enterprise application. This endeavor has provided me with hands-on experience in employing modern technologies and practices such as containerization, cloud computing, microservice architecture, CI/CD deployment models, and domain-driven design. Utilizing a diverse tech stack including Redhat Open Shift, Spring Boot, Spring Batch, Spring Security, Angular, Jenkins, Elastic Search, Elastic Observability, Sonic MQ, and Docker. I am actively involved in the planning, analysis, and execution of this project, delivering scalable and secure solutions that meet complex project requirements. This experience has deepened my understanding of enterprise-grade methodologies and reinforced my commitment to innovation and collaborative teamwork.

### **Project Jupiter**

July 2020

Partnered closely with key stakeholders from company Facilities and Finance to proactively address a critical network-wide workspace shortage in compliance with stringent federal social distancing guidelines during the time. Independently spearheaded the end-to-end development of a full-stack web application utilizing Angular and Spring Boot frameworks, seamlessly integrated with an Oracle database. Designed and implemented a sophisticated algorithm within the application, enabling real-time computation of the most optimal seating chart configuration based on the available building capacity. By leveraging this solution, the organization achieved a remarkable milestone—resuming office operations a staggering six

months ahead of the initial forecast. This breakthrough not only ensured the safety and well-being of employees but also generated substantial working capital savings for the company. This project showcased my ability to collaborate effectively across departments, devise ingenious technical solutions, and deliver tangible results that directly impact the bottom line.

### **Legacy Application Modernization**

June 2018 – Dec 2020

I played a pivotal role early in my career at CSC, leading a transformative project aimed at modernizing a legacy application infrastructure burdened by outdated technologies. With a focus on enhancing speed, scalability, availability, and maintenance efficiency, I joined the company during the project's inception and spearheaded the comprehensive revamp. We bid farewell to obsolete components such as Java 4, Weblogic, EJBs, Struts, SVN VCS, and JSPs, replacing them with modern alternatives including Tomcat servers, Spring Boot, Angular UI, GIT VCS, and REST/HTTP communication.

In addition to addressing technological challenges, I also tackled outdated practices such as manual deployments, streamlining our processes, and eliminating the need for cumbersome rollback procedures. As part of my responsibilities, I successfully oversaw the migration from SVN to GIT, developed crucial back-end processes within our API, and designed captivating UI pages for the modern application. By implementing these advancements, we achieved improved product delivery methods and embraced innovative technologies like Jenkins, revolutionizing our build and deployment practices. This transformative project showcases my ability to drive meaningful change, navigate complex technological landscapes, and champion the adoption of cutting-edge methodologies. It exemplifies my commitment to propelling organizational growth through innovative solutions and showcases my expertise in driving successful technology transformations.

## **Minxie, Miami, FL**

### **Co-Founder & Chief Technologist**

Sept 2021 – Dec 2022

- Led and assumed full responsibility for Minxie's blockchain development, driving the design and implementation of innovative solutions that leverage distributed ledger technology.
- Spearheaded tokenization initiatives, transforming the digital asset transaction landscape and ensuring the integrity and security of the tokenization process.
- Played a critical role in the end-to-end web development process, crafting captivating and user-friendly interfaces that delivered an exceptional user experience.
- Managed system administration tasks, leveraging AWS services such as Lambda functions, EC2, API Gateway, IAM, Cognito, S3, Cloudfront CDN, RDS, and Route 53.
- Developed robust business administration tooling to streamline internal processes, boost productivity, and enhance overall organizational efficiency.
- Orchestrated seamless integration of third-party software, harnessing established tools and services to enhance functionality and unlock the full growth potential of Minxie.

## **Notable Projects**

### **NFT Mint Site**

Jan 2022

Leveraging the power of Solidity and React, I led the design and development of a cutting-edge web application enabling customers to conduct secure in-app crypto transactions. By seamlessly integrating centralized and decentralized Cloud and Web3 technologies, we achieved remarkable scalability, efficiency, and enhanced website performance. Notably, within just 30 days of implementing the update, the company experienced a remarkable surge in website traffic, witnessing an impressive 85% increase, while the customer purchase rate soared by an astounding 48%. This project stands as a testament to my ability to harness innovative technologies and deliver impactful solutions that drive substantial business growth and customer engagement.

### **NFT Access Pass**

Dec 2021

Pioneered the integration of NFT (Non-Fungible Token) technology to revolutionize user authentication and gamification for the organization. Orchestrated the development of a robust smart contract, ensuring effortless and secure user identification through the distribution of unique tokens. Leveraging an impressive technology stack encompassing Solidity, Laravel, and React, this transformative project showcases my expertise in blockchain

development and my commitment to delivering innovative solutions that elevate user experiences and drive platform growth.

## **Educational Experience**

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**Zip Code Wilmington, Coding Bootcamp**

**Full-Stack Development**

Feb 2018 - May 2018

**Lehigh University, Abet accredited 4-year Univerisity**

**Computer Engineering**

Aug 2015 - Dec 2017