Orestes Garcia Martinez

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LinkedIn Account **|** Personal GitHub Project Account

Summary

I am an experienced software engineer and web application developer with a strong background in enterprise app development. As a full-stack developer, I specialize in Angular, React JS, Next JS, JavaScript, Java, Python, and the Spring Boot framework. I leverage cloud technologies and agile methodologies to design, develop, and deploy dynamic web applications, utilizing Amazon Web Services (AWS) for scalable solutions. Currently, I am also focused on developing artificial intelligence and machine learning applications to solve complex business challenges.

Unique Achievements:

- Developed "Am I On Track?" a web application with 128K page views and 17.1M impressions, significantly boosting user engagement.
- Led migrating a legacy platform to AWS OpenShift, enhancing scalability and performance.
- Contributed to the development of Ethos, a global component library and content design system, creating reusable components for the enterprise's Angular and React JS applications.
- Assist in developing C1S-Web-Component, an enterprise web component library for Capital One, focusing on reusable and lightweight components using the Lit library.

Professional Experience

Senior Software Engineer

Kunai – Capital One | October 2024 – Present | Jacksonville, FL

- Collaborate with and across Agile teams to develop, test, and support technical solutions using development tools like the Lit library and React JS.
- Assist in developing C1S-Web-Component, an enterprise web component library for the Capital One software platform. This library focuses on creating reusable components using the Lit library to build fast and lightweight web components.
- Utilize programming languages like JavaScript, HTML, CSS, and TypeScript. Use Playwright and web test runners for functional and unit tests, along with various continuous deployment tools.
- Reviewed code and provided technical guidance to the team.

Senior Software Engineer Associate

TIAA | May 2022 – October 2024 | Jacksonville, FL

- Architected & developed scalable frontend solutions using React JS, React Redux, Angular, TypeScript, and Next JS, adhering to best practices and design patterns.
- Implemented server-side logic and APIs using Node.js or Java, enhancing application performance and scalability.
- Implemented responsive interfaces using Material UI, Angular Material, and Tailwind CSS.
- Optimized backend services using RESTful APIs and GraphQL, demonstrating complete stack expertise.

- Utilized Docker containerization, CI/CD pipeline deployments, and AWS services for cloud infrastructure.
- Provided technical leadership, conducted code reviews, and mentored junior developers.

Frontend Developer

TIAA | December 2020 - April 2022 | 1 year 4 months | Jacksonville, FL
TIAA Bank | December 2019 - November 2020 | 11 months | Jacksonville, FL

- Developed scalable enterprise apps using React, Redux, Angular, Next.js, Node.js, and TypeScript.
- Key contributor to Ethos, a global component library, creating reusable components for Angular and React.
- Implemented responsive, secure designs and contributed to company-wide rebranding efforts.
- Collaborated in an Agile environment to deliver high-quality software across multiple channels.

Tech Arch Delivery Sr Analyst

Accenture | October 2018 - November 2019 | 1 year 1 month

- Designed and developed responsive web applications using Angular, JavaScript, HTML5, CSS, and SASS.
- Implemented automated testing strategies to ensure application robustness.
- Reviewed code and provided technical guidance to the team.
- Worked within Agile methodologies, collaborating with cross-functional teams.

Technical Skills

Web Development:

- **Frontend**: JavaScript, Angular, React JS, Redux, Next.js (Proficient), HTML5, CSS, TypeScript.
- **UI Frameworks**: Material UI, Angular Material, Bootstrap, Tailwind CSS.
- **Web Components**: Lit library, Storybook.
- **Design Tools**: Figma for building apps efficiency.

Backend Development:

- **Node.js**: Strong proficiency in building scalable server-side applications.
- **Java**: Strong foundation.
- **Spring Boot**: Expertise in microservices and web applications.
- **APIs**: RESTful APIs, GraphQL.

DevOps and Cloud Technologies:

- **CI/CD**: Jenkins: Automating build, test, and deployment processes.
- **Git**: Version control and collaborative software development.
- **Cloud**: Amazon Web Services (AWS), Google Cloud Platform (Firebase, Vertex AI, Authentication, APIs).
- **Containerization**: OpenShift and Docker: Containerization and orchestration of applications.
- **Web Server**: Basic knowledge of Nginx web server for load balancing and reverse proxy.

Testing:

- **Cypress, Jest, Web Test Runner, Playwright**:
  Unit testing, integration testing, and end-to-end testing for web applications.

Agile Methodologies:

- Scrum, Agile principles and practices.

Artificial Intelligence and Machine Learning:

- Practical experience with Python's machine learning libraries: Pandas, NumPy, scikit-learn, and PyTorch. Successfully competed in data science competitions and hackathons.
- Conducted impactful research on emerging trends in AI and ML, focusing on financial applications.

Education

- Artificial Intelligence Associate Certification, NC State University, June 2024.
- Data Scientist Certification, NC State University, September 2023.
- Computer Programming Business Application associate degree, Miami Dade College, September 2015.
- Bachelor's degree in Telecommunications Engineering, Higher Polytechnic Institute, Cuba, June 1997.

Recent Projects

Project: Capital One Software Platform Web Component

Role: Senior Developer | Year: 2024 - 2025

- Developed C1s Web component library, creating reusable, atomic-level components that improved consistency across enterprise applications.

Project: Ethos - Global Component Library and Design System

Role: Senior Frontend Developer | Year: 2023 - 2024

- Led development of React JS components for TIAA's global design system, creating reusable, atomic-level components that improved consistency across enterprise applications.
- Collaborated with UX/UI teams on rebranding efforts, implemented performance optimizations, and ensured WCAG 2.1 AA compliance.

Project: Vision Platform Migration to AWS OpenShift

Role: Project Leader | Year: 2023

- Led migration from AWS EC2 to OpenShift, implementing a "monorepo" style for micro-angular apps.
- Managed Infrastructure Delivery Engagement: redesigned architecture, implemented CI/CD pipeline, and container orchestration.
- Utilized Agile methodologies for flexible project management throughout the migration process.

Project: Am I On Track?

Role: App Development Project Leader | Year: 2022 | URL: Am I On Track?

- Led the development of a web application supporting TIAA's "Retire Inequality" marketing campaign.
- Achieved significant user engagement with 128K pageviews, 17.1M impressions, and a 0.8% CTR for Lifetime Income Ads.
- Developed comprehensive architecture, including frontend development with Angular 14 and Material UI components and backend development with Java Spring Boot.