

Andres Paulino

Location: Miami, FL

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SUMMARY

Software Engineer with hands-on experience leading the design, development, and deployment of fullstack platforms, backend infrastructure, microservices, APIs, and frontend user interfaces. Technical Leader focused on leveraging the latest technologies and frameworks to enhance functionality, performance, and security while improving efficiency.

SKILLS

- **Engineering:** Fullstack Development, Backend & Infrastructure, Cloud Architecture, Microservices, API Design, RESTful Web Services, Databases, Frontend, UI/UX, CI/CD, DevSecOps, Testing, Automation, Documentation
- **Leadership:** Technical Project Management, Agile/Scrum, Process Improvement, Cross-functional Collaboration
- **Technologies:** TypeScript, React, Next.js, Redux, Angular, Node.js, Python, FastAPI, Flask, PHP, PostgreSQL, MySQL, MS SQL, Redis, MongoDB, AWS, Azure, Docker, Kubernetes, Jenkins, Auth0, JWT, Git, GitLab, Jira

RELEVANT EXPERIENCE

Lead Software Engineer, Bradesco Bank

February 2023 - Present

- Lead fullstack development with a team of 8 engineers for a bank with 71M customers and \$386B AUM.
- Increased engineering team productivity and accelerated velocity by optimizing resource allocation, delegating tasks, managing tickets in Jira, facilitating daily standups, reviewing code, and mentoring developers.
- Served as the technical SME, presenting engineering progress directly to the CTO, CIO, and COO.
- Streamlined customer onboarding by 200% by architecting a new client onboarding system, building API integrations, ensuring strict access control with Auth0, and reducing system load times by 40 seconds with Redis.
- Completely redesigned the Employee Manager Panel by migrating from PHP to Next.js, Prisma, and Flask API and building a new API to expand user administration, strengthen access control, and integrate with the service desk.
- Saved 45 minutes per account creation by developing a FastAPI backend to completely automate the process of downloading/uploading account opening forms to the core banking system, increasing efficiency and accuracy.
- Rebuilt a DocuSign integration with a highly customized UI and API backend using Flask to improve system performance, reduce latency, implement detailed logging, and eliminate 99% of pre-existing bugs.
- Mitigated organizational risk by conducting regular code reviews to ensure strict regulatory compliance.

Fullstack Software Engineer, Nation Safe Drivers

May 2022 - January 2023

- Developed and deployed an order management platform with React, PostgreSQL, Node.js, and Express used by 5K companies serving tens of thousands of end clients in the insurance sector and towing business.
- Strengthened system security by implementing rate limiters and authentication with Auth0 and JWT.
- Increased user engagement by 42% by enhancing application performance and optimizing database queries.
- Integrated Salesforce and custom payment systems into the portal while maintaining strict security protocols.

SELECT PROJECTS

- **CEREB[RM]:** Architected a scalable fullstack trading application with millisecond-level trade processing and secure authentication using Next.js, Reduce, Next Auth, Redis, PostgreSQL, WebSockets, and Apache Kafka.
- **Sparkaplan:** Led the design, development, and deployment of an AI-powered secure web application on AWS to automate teacher lesson plans and won 3rd place out of 15 teams at the 2023 AI Miami Hackathon.

EDUCATION & CERTIFICATIONS

- Fullstack Web Development Certification, BrainStation
- Associate of Arts in Accounting and Finance, Florida International University
- AWS Certified Cloud Practitioner (AWS CCP)