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Full-Stack Software Engineer | +6 years | React · React Native iOS · Android · Next.js · TypeScript · Node.js · PostgreSQL · MongoDB | Banking | Security | AWS

50–70% faster load times | 500K+ records | 87.5% faster processing | 90% Test Coverage | Automated +2000 clients tax system | Accessible & PCI-Compliant

EXPERIENCE

1) **Full-Stack Engineer at PAGOS360** — **Oct 2023–Nov 2025**

- Led frontend engineering for a banking platform, owning **technology selection, frontend architecture, design system, and development strategy** using **Next.js and TypeScript**.
- Designed a scalable, reusable component architecture and established **frontend–backend API contracts**, integrating multiple APIs, real-time financial data, live balance updates, and advanced custom React hooks.
- Built accessible interfaces using **semantic HTML and ARIA**, ensuring components and user flows were compatible with **screen readers and assistive technologies** and accessible to users with different needs.Integrated **Datadog**, containerised the application with **Docker**, and implemented an automated test suite achieving **90% code coverage**. Monitored application health, diagnose production issues, and improve the **reliability and observability** of the platform.
- Implemented **authentication and authorisation with Auth0**, collaborating with product stakeholders, QA, and backend engineers to translate requirements and designs into production features, define data structures, and establish validation rules. Conducted **security testing and vulnerability assessments** across the frontend, identifying weaknesses and implementing protections for sensitive data and client–server communication. Implemented secure handling and encryption of sensitive application data and identifiers, while improving performance through **server-side rendering and load-time optimisation**, reducing load times by approximately **50–70%**.
- Maintain backend systems: **Engineered a synchronisation layer** between a relational CORE database and DynamoDB to eliminate data inconsistencies in the tax withholding module (IIBB). Created an AWS SQS producer-consumer algorithm to safely pass data in batches between decoupled systems. **Optimised asynchronous recalculation flows** by synchronising tax retention states between CORE and DynamoDB, eliminating data drift and legacy hardcoded logic to ensure 100% calculation accuracy. **Designed and implemented RESTful endpoints** within the CORE system to expose critical account metadata, ensuring high availability and data integrity across distributed services. **Validated system reliability** through comprehensive unit and integration testing, maintaining 100% compatibility with existing automated calculation flows. DynamoDB, AWS Lambda, API Gateway, Docker microservices for payment processing. Work in a backend team on core payment acceptance systems, enhancing security and optimizing algorithms with correct design patterns. Ensure PCI SSC compliance for financial transaction infrastructure.

2) **Full-Stack Engineer at ArkusNexus** — **Sep 2021– Oct 2023**

Client: Playboy Enterprises

- Engineered a Node.js data-repair pipeline for a large-scale PostgreSQL-to-MongoDB migration, handling **500k+ records** and inconsistent legacy data. Designed deterministic reconciliation and validation rules, then optimised database operations through bounded batch processing, reducing processing time from **2h40m to 20 minutes (87.5%)** while maintaining data integrity.

Client: Norden Mind Group

- Built an employee management platform from the ground up using **TypeScript and Next.js**, contributing to REST API design and Node.js backend implementation. Designed PostgreSQL schemas for employee data and contributed to a shared component library **used by 7 development teams**, improving consistency and reuse across products.

Client: Martin Marietta

- Developed a BI platform with a TypeScript/React frontend and Node.js backend, implementing JWT authentication and MongoDB data models for flexible aggregation and real-time analytics. Integrated REST APIs and built responsive data visualisations using Material UI and Tailwind CSS.

Client: Figo Pet Insurance

- Developed **React Native and React** platforms supporting both D2C and enterprise sales. Optimised application performance using memorisation and custom data-fetching patterns, **reducing load times by 25%**. Built reusable hooks for form state and caching, integrated REST APIs, and implemented accessible interfaces with **ARIA and screen-reader support**.

3) **Full-Stack Engineer at Aureo & Mayor** — **Nov 2025–Present**

- **Built** Parlato a platform as a modern TypeScript/Next.js monorepo using React, Tailwind CSS, PostgreSQL, Drizzle ORM, Vitest, and AI/LLM-powered features, with a strong focus on maintainability and scalable architecture.
- **Built** an Expo / React Native freight-coordination app for **iOS** and **Android**, delivering 8 user-facing screens across 3 user roles: drivers, carriers, and shippers.
  - Implemented the core freight workflow: account creation and recovery, cargo publishing and discovery, carrier interest, shipper confirmation, shared trip tracking, milestone updates, and incident reporting.
  - Integrated **Firebase Authentication** and **Cloud Firestore** for authenticated accounts, synchronized data, and access controls; added a local demo mode for configuration-free demonstrations.
  - Modeled a 5-state trip lifecycle with event history to support shared operational progress and incident tracking.
  - Turned the product concept into a **documented implementation plan**, **MVP scope**, and **5-phase roadmap**, making the concept demonstrable and clarifying what remains before a commercial launch.