

Full-stack engineer with 6+ years building scalable backend systems and web platforms. Specializes in database optimization, API architecture, and performance engineering with TypeScript, Python, and Node.js.

EXPERIENCE

1) Full-Stack Engineer at PAGOS360

Oct 2023–Present

- Maintain backend systems: DynamoDB, AWS Lambda, API Gateway, Docker microservices for payment processing
- Work in backend team on core payment acceptance systems, enhancing security and optimizing algorithms
- Ensure PCI SSC compliance for financial transaction infrastructure
- Led frontend development of banking platform using TypeScript and Next.js
- **Engineered a synchronisation layer** between a relational CORE database and DynamoDB to eliminate data inconsistencies in the tax withholding module (IIBB).
- **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.

2) Full-Stack Engineer at ArkusNexus

Sep 2021– Oct 2023

Client: Playboy Enterprises

- Engineered Python automation reducing database migration time by 91% (3 hours → 20 minutes)
- Handled PostgreSQL and MongoDB migrations at scale (500k+ records) with data integrity preservation
- Implemented multiprocessing and batched commits for complex database transformations
- Managed GraphQL API layer with Hasura for real-time data operations
- Containerized applications using Docker, documented all schema changes for distributed team

Client: Nordhen

- Built an employee management platform from scratch using TypeScript and Next.js
- Collaborated on REST API design and backend implementation with Node.js
- Designed PostgreSQL database schemas for employee data management
- Contributed to company-wide component library used by 7+ development teams
- Documented API endpoints and integration patterns for cross-team collaboration

Client: Martin Marietta

- Developed BI platform with TypeScript-React frontend and Node.js backend
- Built authentication system with JWT tokens using Node.js and MongoDB
- Designed MongoDB schemas for flexible BI data aggregation and real-time analytics
- Connected REST APIs for dashboard data synchronization
- Customized UI with Material UI and Tailwind for responsive data visualization

Client: Figo Pet Insurance

- Developed React Native (Android) and React web platforms for D2C and enterprise sales
- Optimized React performance with advanced hooks (useMemo, useCallback), reducing load times by 25%
- Created custom hooks for form state management and data fetching/caching
- Integrated REST APIs, collaborating with backend team on error handling and validation

EDUCATION

Bachelor of Computer Science at the University of London,

On course

CERTIFICATIONS & AWARDS

AWS Cloud Practitioner; Full-Stack Developer, freeCodeCamp; IBM Back-End Development; Full-Stack Developer, ISPC