

Victor David Archila Mendoza

SENIOR FULL STACK ENGINEER · PYTHON · REACT · TYPESCRIPT · AWS

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PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 12+ years building business-critical web applications, backend services and cloud-native platforms. Strong hands-on background in Python backends (FastAPI, REST APIs) and modern frontends with React, TypeScript and Next.js, backed by PostgreSQL, Docker, Kubernetes, Kafka and AWS. Combines pragmatic architecture with end-to-end delivery ownership across development, testing and deployment.

CORE TECHNICAL SKILLS

Languages Python 3.12, TypeScript, JavaScript (ES2023), SQL

Frontend React 19, Next.js, TypeScript, Vite, TanStack Query, Tailwind CSS, HTML5, CSS3

Backend Python (FastAPI, Flask), REST APIs, microservices, API-first integrations

Data PostgreSQL, SQL Server, Redis, NoSQL, data modelling

Cloud & DevOps AWS, Docker, Kubernetes, Terraform, CI/CD (GitHub Actions), Dev Containers

Messaging Apache Kafka, event-driven & asynchronous processing

Testing Vitest, Playwright, pytest, unit / integration / API testing

Tooling uv, Ruff, ESLint, Claude Code (AI-assisted development), Git

Architecture Microservices, distributed systems, system integration, scalability, security

PROFESSIONAL EXPERIENCE

Co-Founder & CTO / Senior Full Stack Engineer

Dec 2024 – Present

vDevCodes · Panama

- Deliver full-stack solutions end to end: React/TypeScript interfaces, Python (FastAPI) backends, database design and third-party integrations.
- Build API-first platforms with a focus on maintainability, reliability and practical delivery aligned to client business objectives.
- Implement process automation and enterprise integrations across ERP, CRM and external payment/invoicing platforms.
- Standardised the team on reproducible Dev Containers and AI-assisted development with Claude Code to speed up delivery and onboarding.

Stack: Python, FastAPI, React, TypeScript, JavaScript, PostgreSQL, SQL Server, Docker, AWS, CI/CD, Dev Containers, Claude Code

Head of Technology / Lead Full Stack Engineer

Jan 2020 – Nov 2024

Dorben Group · Panama

- Designed and modernised business platforms with Python services, REST APIs and React frontends on cloud-native infrastructure.
- Migrated monolithic systems to microservices with Docker and Kubernetes, improving scalability and resilience.
- Introduced Kafka-based event-driven integration for real-time processing and reliable asynchronous workflows.
- Implemented CI/CD, Infrastructure as Code and DevOps practices, cutting delivery time by ~25% and lifting operational efficiency by ~30%.
- Optimised PostgreSQL and SQL Server data models, reporting and integration layers for operational systems.

Stack: Python, Flask, React, JavaScript, AWS, Docker, Kubernetes, Kafka, Terraform, PostgreSQL, SQL Server, CI/CD

Head of Software Development / Full Stack Developer

Jan 2018 – Jan 2020

Club Unión de Panamá · Panama

- Led and contributed to internal web applications, backend services and system integrations supporting business operations.
- Worked hands-on with SQL Server, backend development, OOP and application maintenance.
- Partnered with stakeholders to translate operational needs into software features and process improvements.

Stack: SQL Server, Web Development, REST-style integrations, OOP, Software Design

Senior Software Developer

Dec 2016 – Oct 2018

ICG Dominicana · Dominican Republic

- Developed and maintained enterprise software: modules, plugins, backend services and advanced reporting systems.
- Designed web applications and database-driven functionality; managed physical and virtual servers for production availability.
- Built BI and analytics solutions using Tableau and ICG Analytics.

Stack: SQL Server, Web Development, Backend Development, System Integration, Tableau, BI

Software Developer

Mar 2012 – Dec 2016

bestBOON C.A. · Venezuela

- Developed and integrated software solutions across multiple business systems and environments.
- Designed efficient data models over relational and NoSQL databases, applying OOP and software-design principles.

Stack: SQL, NoSQL, OOP, Software Design, System Integration

EDUCATION

B.Sc. Computer Science Engineering

2010 – 2016

Universidad José Antonio Páez

CERTIFICATIONS

- Python Data Structures — University of Michigan (Score: 100%)
- Using Databases with Python — University of Michigan
- ICG Analytics — Business Intelligence & Reporting