Eliott Velarde

Software Engineer | Full Stack (TypeScript, Python & React)

Lima, Peru | +51 944181210 | contact@eliottvelarde.com | linkedin.com/in/eliott-velarde | github.com/EliottV17

SUMMARY

Software Engineer with a strong backend focus: experienced in building modern web interfaces with React / Next.js and robust backend services with TypeScript (Node.js), Python (FastAPI), and PostgreSQL. Track record of deploying on AWS with Docker, integrating Applied AI features, and collaborating effectively in distributed teams.

SKILLS

Languages: TypeScript, JavaScript, Python, SQL, Go (complementary).

Frameworks & Libraries: React, Next.js, Node.js, FastAPI, NestJS, Express, Pydantic, asyncpg.

Databases & Messaging: PostgreSQL, Redis (Streams & Cache), MongoDB.

Cloud & DevOps: AWS (EC2), Docker, Docker Compose, Linux (Ubuntu), Caddy, GitHub Actions, Git.

Tools & Practices: REST APIs, OpenAPI, LLM Integration (Structured Outputs), Testing (Pytest, Jest, Testcontainers), JWT Authentication, SSRF Mitigation, Rate Limiting.

WORK EXPERIENCE

Backend Engineer — Meevent, Remote *Apr 2026 – Jul 2026*

- Standardized API communication in a Java/Spring Boot backend by documenting REST endpoints with OpenAPI, reducing front-end integration time by 20%.
- Established integration testing pipelines using Testcontainers and automated coverage tools to ensure API reliability.
- Refactored backend error handling into a unified model with trace IDs, resolving status-code inconsistencies identified during code reviews.

Frontend Engineer Intern — SimplyTechnologies, Remote *Jul 2025 – Dec 2025*

- Migrated Routeiq's web interface from a legacy stack to React with TypeScript, building components directly from Figma designs and reducing runtime type errors through strict typing.
- Worked with backend engineers to define API contracts, ensuring smooth integration across an international remote team.

PROJECTS

Sentinel — Distributed Uptime Monitoring Platform – sentinel.eliottvelarde.com *Jan 2026 - Present*

- Built the web UI and public status page using React and TypeScript with interactive charts for real-time latency metrics, integrating async state management and strict typing.
- Designed a decoupled NestJS REST API and an independent Go checking service for concurrent monitoring, incorporating network safeguards against SSRF, rate limiting, and secure JWT auth.
- Deployed the full architecture on AWS EC2 with Docker Compose and Caddy (automatic HTTPS), backed by PostgreSQL, AWS Budgets alerts, and GitHub Actions CI with 250+ automated tests.

IntelDigest — Article Ingestion & Analysis Engine *Jul 2026 - Present*

- Built a full-stack application featuring a Next.js frontend and an asynchronous Python/FastAPI backend, allowing users to inspect technical digests processed in background via Redis Streams.
- Implemented a Python background worker for automated web article extraction with network validations against SSRF (aiohttp), persisting atomic state transitions and structured outputs in PostgreSQL (asyncpg).
- Connected LLM APIs via OpenRouter governed by strict Pydantic validation schemas, generating technical digests categorized by difficulty and technologies with zero format failures.

EDUCATION

- Computing and Informatics — Cibertec | **Graduated 1st in cohort (cumulative merit ranking, 47 students)**