

# Sebastian Reategui Bellido

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## Education

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### Universidad de Ingeniería y Tecnología (UTEC)

Lima, Peru

Bachelor of Science in Computer Science

Apr 2024 – Present

Relevant Coursework: Data Structures and Algorithms, Analysis and Design of Algorithms, Cloud Computing, Databases, Software Engineering, Computer Architecture, Machine Learning.

## Projects & Experience

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### FinTrend AI — Cloud-Native Financial Data Pipeline & Analytics *AWS Glue, Athena, S3, EC2, API Gateway* Core Full-Stack, Cloud & Data Engineer Apr 2026

- Designed and built an end-to-end serverless data pipeline using AWS Glue to automate ETL workflows, metadata schema discovery, and structured analytical querying.
- Independently provisioned entire infrastructure as code (IaC) via CloudFormation, establishing an Amazon S3 and Athena Data Lake across multi-database layers.
- Developed the application core leveraging Flask, Spring Boot, Express.js, and React.js to ensure robust integration between the data pipeline and the analytics interface.

### MediGO — Full-Stack Telemedicine Platform *Spring Boot, React.js, TypeScript* Core Full-Stack Developer Oct 2025

- Solely architected a secure, layered REST API (Spring Boot/JPA) featuring RBAC, Spring Security, and stateless JWT authentication.
- Developed the entire responsive SPA using React 19, TypeScript, and Vite, managing global state via React Context and UI animations with Framer Motion.
- Integrated real-time multimedia consultation features via Whereby SDK, instant notifications with WebSockets (STOMP.js), and Stripe API payment workflows from scratch.

### SparseExcel — Memory-Optimized Spreadsheet Engine *C++, Javascript, React.js, Data Structures and Algorithms* Core Developer Apr 2026

- Implemented a memory-efficient spreadsheet engine from scratch, leveraging custom Sparse Matrix representations (Orthogonal/Linked Lists) to eliminate memory overhead.
- Designed and optimized pointer-based data structures to support dynamic cell insertion, deletion, and fast coordinate-based lookups.

## Skills & Interests

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**Languages:** C++, Python, Go, Java, JavaScript, TypeScript, SQL.

**Libraries & Frameworks:** React.js, Next.js, Node.js, Spring Boot, Flask, FastAPI, Express.js.

**Cloud & Infrastructure:** AWS (S3, Glue, Athena, Amplify, API Gateway, EC2), Docker, Microservices Architecture.

**Databases:** PostgreSQL, MySQL, SQLite, MongoDB, DynamoDB.

**Tools & Workflow:** Git, GitHub, Postman, Agentic Development (MCP, SKILL.MD, CLI Agents, AI IDEs).

**Interests:** Artificial Intelligence Engineering, Systems Optimization, Cloud-Native Infrastructure and Fintech.