

Stevens Aliaga Arauco

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Backend Developer with 3+ years of experience building scalable systems and microservices architectures. Led development of hotel management and healthcare platforms, achieving 40% improvement in operational efficiency. Specialized in Node.js, TypeScript, and cloud deployment (AWS/GCP), with proven results in performance optimization and CI/CD implementation.

PROFESSIONAL EXPERIENCE

TECNOVEDADES WEB

Backend Developer

Lima, Peru (remote)

Aug 2024 – Aug 2025

- Developed and deployed a complete hotel management system for Hotel Rosal including rate modules, reservations, and guest management, achieving a 40% increase in operational efficiency.
- Designed scalable architecture in TypeScript with high-performance RESTful APIs using Node.js and Express.js, reducing response times by 35%.
- Deployed on Google Cloud Platform (GCP) using Ubuntu instances in Compute Engine, PM2 for process management, and Cloud Functions for independent tasks, optimizing resources and ensuring high availability.
- Built development pipelines that reduced deployment time by 60% using CI/CD practices.
- Applied version control with Git and GitFlow, decreasing conflicts by 70% and improving collaborative work.
- Developed complete inventory system using Node.js, Express.js, and MongoDB, increasing stock control efficiency by 55%.
- Documented entire API with Swagger/OpenAPI, reducing technical onboarding by 50%.
- Deployed modules on AWS Lambda for automated tasks (daily reports, stock alerts), reducing operational costs by 30%.
- Containerized application with Docker, achieving consistent deployments and reducing failures by 80%.

CASAMARKET

Backend Developer

Lima, Peru (remote)

Sep 2023 – May 2024

- Developed and maintained comprehensive clinic management system for administration, doctors, patients, and medical appointments using Node.js and NestJS, ensuring high performance and availability.
- Designed and implemented RESTful APIs with NestJS and Express.js for integration with external systems including payment gateways, RENIEC validation, and messaging services (SMS/WhatsApp).
- Built microservices-based architecture for appointments, medical records, payments, and notifications modules, enabling independent deployments and greater scalability.
- Optimized SQL (MySQL) and NoSQL (MongoDB) queries to support fast patient searches, doctor availability, and reports, reducing query times by over 40%.
- Ensured reliable communication between services using RabbitMQ, improving event handling for appointment reminders and alerts.
- Implemented unit and E2E testing with Jest, covering critical modules and decreasing production incidents by 65%.
- Developed and deployed robust, reliable, and scalable e-commerce platform on AWS.
- Built over 30 REST endpoints with Node.js and Express.js, ensuring high availability and performance.

- Designed and optimized MySQL database with complex relationships, achieving 45% improvement in query performance.
- Implemented secure authentication and authorization using JWT, managing roles and sessions.
- Increased code maintainability by 60% through Swagger documentation, code reviews, and standardization of best practices.
- Applied automated testing, reducing production bugs by 70%, following SOLID principles and Clean Code.
- Integrated critical external services including payment gateways, applying retry logic and advanced error handling to ensure resilience.

EDUCATION

UNIVERSIDAD NACIONAL DEL CENTRO DEL PERÚ

Computer Systems Engineering

Huancayo, Peru

2021 - present

ADDITIONAL SKILLS

- **Languages:** Spanish (Native), English (Intermediate), French (Basic)
- **Technical Skills:** JavaScript, TypeScript, Java, Node.js, Express.js, NestJS, Spring Boot, React, Next.js, MySQL, PostgreSQL, MongoDB, Docker, Git, AWS (EC2, S3, Lambda), GCP, CI/CD, RESTful APIs, GraphQL, Microservices, Clean Architecture, SOLID Principles
- **Soft Skills:** Team leadership, effective communication, analytical problem-solving, technological adaptability, time management, continuous learning advocate
- **Certifications:** NodeJS Complete Course (Udemy, 2025) • ReactJS Complete Course (Udemy, 2025) • Java University (Udemy, 2025)