

Stevens Aliaga Arauco

BACKEND ENGINEER · SYSTEMS ARCHITECT · API SPECIALIST · AUTOMATION EXPERT

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Summary

Ambitious Backend Engineer with 2+ years of experience building scalable systems and automation tools for high-growth platforms. Expert in Node.js, serverless architecture, and API integrations with a proven track record of delivering 40% efficiency improvements and 99.9% uptime. Passionate about solving complex technical challenges and building infrastructure that powers global operations. Ready to engineer core systems for modern rental platforms at scale.

Experience

Backend Developer

WEB TECHNOLOGIES

Aug. 2024 – Aug. 2025

Lima, Peru · Remote

- Built complete reservation system for Hotel Rosal with automated rate management, booking workflows, and guest communication tools, increasing operational efficiency by 40%
- Designed scalable API architecture using Node.js and MySQL, reducing response times by 35% and supporting concurrent reservations
- Developed comprehensive administrative dashboard for Indelsasac with real-time inventory management and automated reporting, optimizing business processes by 50%
- Implemented serverless automation workflows for check-ins, notifications, and payment processing, reducing manual operations by 60%
- Established CI/CD pipelines with automated testing and deployment, reducing deployment time by 60%

Backend Developer

HOLINSYS

Jan. 2022 - Aug. 2022

Lima, Peru · Remote

- Architected scalable e-commerce platform following Clean Architecture principles, ensuring system resilience and 99.9% service availability
- Built robust API integrations with payment gateways and third-party services, processing transactions with zero errors
- Developed secure JWT authentication system and automated user management workflows, improving security protocols by 100%
- Implemented comprehensive testing suite and monitoring tools, reducing production bugs by 70%
- Optimized database performance and query efficiency, improving system response times by 45%

Education

Systems Engineering

UNIVERSIDAD NACIONAL DEL CENTRO DEL PERÚ

2026

Junín, Peru

Certificates

- NodeJS from Zero to Expert|Udemy | 2025
- ReactJS from Zero to Expert|Udemy | 2025
- Java University|Udemy | 2025

Featured projects

Clothing E-Commerce Platform | Clothing E-Commerce Platform

I developed a complete full-stack application with scalable architecture and integrated payment system.

- Engineered scalable backend infrastructure with GraphQL APIs, improving query performance by 50%
- Integrated payment gateway automation (MercadoPago) with secure authentication, processing transactions without errors

- Built responsive frontend with Next.js and Redux, optimizing loading times by 40%
- Implemented real-time notifications and booking management workflows

Mobile Educational Platform | Educational Empowerment Platform

I created a complete educational mobile app with a robust backend and social authentication.

- Developed high-performance backend with Node.js/Express.js supporting thousands of concurrent users
- Implemented secure authentication workflows with Google Auth and JWT, ensuring 100% session security
- Designed optimized PostgreSQL database with Clean Architecture, improving query performance by 45%
- Built automated reporting and analytics tools for platform insights

Comprehensive Library System | Library System

I developed a complete desktop application for library management in an educational institution.

- Created comprehensive management system with automated workflows for loans, returns, and reporting
- Built cross-platform desktop application with Electron, improving user accessibility by 60%
- Implemented automated PDF report generation with PDFKit, reducing administrative workload by 80%
- Designed real-time data synchronization and backup systems using Node.js and Express.js for efficient backend services

Technical skills

- Backend: Node.js, Express.js, Nest.js, GraphQL, RESTful APIs
- Messaging & Streaming: Apache Kafka, RabbitMQ
- Cloud Platforms: AWS, serverless architecture
- Databases: MySQL, PostgreSQL, MongoDB, Prisma ORM
- Languages: JavaScript, TypeScript, Java, Python, SQL
- API Design: Third-party integrations, payment gateways, booking platforms
- Workflow Automation: Check-in/check-out systems, notifications, reporting
- CI/CD: Git, Docker, automated testing, deployment pipelines
- Monitoring: System reliability, performance optimization, debugging
- Frontend: React, Next.js, Redux, HTML5, CSS3, Tailwind CSS
- Tools: Postman, Jest, MongoDB Compass, Visual Studio Code
- Project Management: Agile, Scrum, Clean Architecture, MVC

Soft skills

- **Leadership:** Ability to guide development teams toward complex technical objectives and scalable architectures.
- **Effective communication:** Excellent ability to translate business requirements into understandable technical solutions.
- **Troubleshooting:** Analytical approach to identify bottlenecks and optimize performance of critical applications.
- **Technological adaptability:** Rapid adoption of new technologies and frameworks, keeping up to date with development trends.
- **Time management:** Ability to prioritize tasks and handle multiple projects under pressure.

Additional information

- Passionate about cultural exploration, I have traveled almost all of Peru and visited Argentina and Brazil, enriching my global perspective and adaptability skills.
- I always have a positive and optimistic attitude; I love spreading positive energy to the people around me.
- An avid reader and self-taught, I use reading as a tool for personal and professional growth, keeping up to date with the latest technological trends.
- Committed to continuous learning, I was actively involved in developer communities at university.
- Advocate of development best practices, promoting clean code, automated testing, and quality technical documentatio

