

# 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

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- 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

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- **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

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- 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