

# Jorge Jackson Guerrero Vega

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Cloud & DevSecOps Engineer with 4+ years of software engineering experience, focused on AWS cloud infrastructure, microservices, CI/CD, observability, secure delivery, and production systems. AWS Certified Developer with hands-on experience in fintech and payment environments, working across backend architecture, serverless workloads, mTLS integrations, PCI-related systems, and cloud services such as Lambda, EventBridge, SQS, DynamoDB, S3, RDS, KMS, and Secrets Manager. Skilled in TypeScript, Node.js, Ruby, Docker, Terraform, Kubernetes, and React, with a strong focus on reliability, security, scalability, and business impact.

## PROFESSIONAL EXPERIENCE

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**Wompi** **Remote**  
Cloud & DevSecOps Engineer August 2025 – Current

**Wompi** **Remote**  
Backend Developer - Senior August 2024 – August 2025

- Implemented and enhanced the transactional architecture design for POS terminals using AWS technologies, collaborating closely with DevOps and Developers. Orchestrated microservices with Lambdas, event-driven patterns, SOLID principles, and idempotency, achieving response times under 2 seconds. Leveraged cloud services such as PaymentCryptography, EventBridge, DynamoDB, SQS, Lambda, S3, and PostgreSQL RDS.
- Integrated SOAP with Mutual TLS (second implementation) for external partner RBM to process POS transactions, working with EMV, PCI-DSS, and PCI-PIN standards. Contributed to EMV certifications with MasterCard and network testing with RBM.
- Designed and developed a card tokenization library compliant with PCI-DSS.
- Optimized the digital voucher generation flow, reducing execution time by 97% and lowering infrastructure costs by over 60% through usage-based scalability.
- Integrated WhatsApp, Email, and SMS channels to securely deliver digital vouchers.

**Wompi** **Remote**  
Frontend Developer - Middle July 2023 – August 2024

- Adapted the encryption algorithm after PSE specification changes, ensuring service continuity with zero user impact.
- Integrated SOAP with Mutual TLS for external partner RBM, strengthening transaction security without affecting payment service availability.
- Supported the Fraud Management team by creating a dedicated back-office, defining best practices, and training backend developers to drive adoption.
- Improved VTEX processor integration, reducing latency by 35% through intra-cluster connections and collaborating with DevOps to restrict public endpoint exposure.
- Developed reporting endpoints leveraging S3 and a Redshift data warehouse.
- Implemented a middleware switch for async/sync execution, reducing endpoint response times by 30%.

**Wompi** **Remote**  
Frontend Developer February 2022– July 2023

- Implemented 3D Secure in the web card transaction flow, reducing fraud without degrading user experience.
- Contributed to the migration to AWS (Redshift, S3, DynamoDB, Redis, SQS, Lambda), ensuring 0% downtime.
- Integrated Redis for caching in a payment method, reducing external calls by 60% and speeding up transactions by 30%.

**Vlipco** **Remote**  
Frontend Developer December 2021

- Maintained and optimized applications built with React, Vue, and Next.js, mitigating PCI-DSS vulnerabilities.
- Developed a back-office system, implementing authentication and authorization with Okta, and a CRUD using Ruby.
- Contributed to the 1-click payment experience used by Rappi Colombia, improving the checkout flow.
- Optimized Tailwind CSS implementation, reducing CI build time by 70% and page rendering time by 85%.

## EDUCATION

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**MANUELA BELTRAN UNIVERSITY** **Colombia, Remote**  
Software engineering August 2024 - Currently  
Currently pursuing a Software Engineering degree with a focus on backend systems, cloud architecture, and distributed applications.

**AUTODIDACT** **Remote**  
Software engineering Since 2021  
Continuous learning of new technologies and frameworks through courses and certifications (Platzi, Udemy, official documentation, AWS).