

Josue Rodriguez

Senior Software Engineer

Backend Distributed Systems | DevOps Automation

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Experienced Senior Software Engineer with extensive expertise in developing scalable Golang microservices, managing Kubernetes infrastructures on AWS, and designing robust APIs. Proven track record of creating CI/CD pipelines, modernizing legacy systems, and delivering high-performance, efficient software solutions. Adept at collaborating with distributed teams to drive successful outcomes.

AREAS OF EXPERTISE

Languages & Frameworks: Golang, gRPC, GraphQL, NodeJS, JavaScript, Python, Bash, PHP, Lua, Linux, Terraform, Helm, OCR, React

DevOps & Cloud: AWS (ECS, EKS, EC2, RDS, S3, SQS, Lambda, Kinesis, etc), Google Cloud Platform, Kubernetes, Docker, Github Actions, Jenkins, Aerospike DB, Elasticsearch, MySQL, Redis, Nginx, Prometheus, Grafana

WORK EXPERIENCE

Freelance DevOps & Backend Consultant Self-Employed

Nov 2024 - Present

- Troubleshoot and optimize business logic in PHP and Golang applications, improving reliability, maintainability, and performance.
- Architected AWS ECS infrastructure using Terraform to support multi-account, multi-environment deployments, improving cross-environment consistency and deployment reliability.
- Engineered robust CI/CD pipelines using GitHub Actions to automate unit, integration, and E2E testing; built and deployed Docker images to ECS with post-deploy validation and rollback workflows—accelerating release cycles and minimizing deployment risk.
- Defined and instituted SDLC standards while mentoring development teams on CI/CD workflows, DevOps tooling, and development best practices—improving code quality and enabling scalable, repeatable engineering processes.

Senior Software Engineer

SkyHop Technologies

Aug 2022 - Oct 2024

- Developed and maintained over a dozen Golang microservices to meet diverse business needs, enhancing system performance and reliability metrics.
- Managed and scaled Kubernetes clusters using Terraform on AWS EKS to enhance infrastructure scalability.
- Lead the design & implementation of CI/CD pipelines using GitHub Actions, also reducing build times by 25%.
- Enhanced deployment frequency to enable more frequent feature releases and updates.

- Actively contributed to the product roadmap and collaborated with key stakeholders and essential team members to gather feedback, driving platform improvements.
- Delivered on-call support to maintain continuous system operations, cutting incident resolution times and achieving 99.9% uptime.
- Designed API specifications and delivered business services from concept to production-ready state.
- Integrated third-party services for real-time flight data tracking, enhancing user responsiveness and system efficiency.
- Oversaw legacy PHP platform support while architecting a next-generation system using Golang.
- Managed and improved a high traffic NodeJS application to process critical business operations.

Lead Software Engineer

PTO Genius, Inc.

Oct 2020 - July 2021

- Led DevOps operations, implemented CI/CD pipelines, and streamlined development workflows for rapid release cycles.
- Architected and managed Kubernetes infrastructure on AWS for Golang microservices and a VueJS static frontend.
- Shaped the product roadmap and API specifications, enhancing product-market fit.
- Collaborated with vendors to integrate APIs, refine specifications, and strengthen product relationships.

DevOps Automation Engineer II

Stelligent Systems

Sept 2019 - April 2020

- Developed automated security solutions using AWS (CloudFormation, Lambda, CodePipeline, IAM, SNS) for cross-account monitoring, auto-remediation, and reporting.
- Contributed to cloud security best practices through automated processes and infrastructure development.
- Improved internal billing and utilization platforms, driving efficiency enhancements.

Senior Software Engineer

Kairos AR

June 2016 - Sept 2019

- Spearheaded API migration from PHP to Golang, boosting system performance, increasing availability, and cutting AWS costs by 60%.
- Streamlined Jenkins CI/CD pipelines for Kubernetes environments and developed API services using Golang/Python with gRPC interoperability.
- Managed Kairos' on-premise enterprise solution deployments.
- Implemented automated unit and performance testing, enhancing code stability.
- Developed internal toolkits for migrations, reporting, and data analysis.
- Managed a multi-cloud infrastructure using AWS and GCP.

Senior Engineer & Team Leader

CreativeDrive

March 2012 - June 2016

- Lead both an in-house and outsourced team (average 4-6 engineers) on multiple projects from launching new products to maintaining and improving existing solutions.

- Directed product development for an enterprise digital asset management system, focusing on metadata taxonomy & enhancing data retrieval by 70% using Elasticsearch.
- Contributed to multiple PHP and NodeJS services, API design, infrastructure pipelines, and production operations.
- Led development teams for multi-tenant applications and coordinated agile product releases.
- Collaborated on product strategy with project managers and enterprise clients.

CERTIFICATIONS

- AWS Certified SysOps Administrator (Associate)