

Alejandro Guzman

Senior Software Engineer • Atlanta, GA

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WORK EXPERIENCE

Microsoft

Atlanta, GA

Senior Software Engineer

May 2022 – Present

- Drove Microsoft Secure Future Initiative (SFI) Waves 1-5 for an internal content platform. Closed S360 controls (secret-less authentication (MSI/Entra ID), governed CI/CD (1ESPT), VM auto-patching, network isolation, app hygiene, 1P images, hot-region migrations) and hit 100% compliance on schedule despite heavy in-flight feature work.
- Built and executed a multi-region BCDR strategy to improve availability. Deployed secondary Service Fabric clusters, configured Traffic Manager fail-over, setup DNS and TLS certificates, and proved zero-downtime recovery in a live drill.
- Institutionalized infrastructure-as-code by replacing ad-hoc resources with reliable and reusable ARM/Bicep modules, enabling peer-reviewed, production-ready deployments and cutting environment spin-up time from hours to minutes.
- Owned the full lifecycle from discovery to deployment. Researched and clarified vague technical requirements, represented our team in cross-team projects, authored shell scripts needed for delivery, implemented code, and guided fellow teammates through implementation and review ensuring smooth hand offs and consistent, on-time outcomes.

SAP Concur

Atlanta, GA

Senior Software Engineer

Nov 2019 – May 2022

- Built and maintained 12 microservices in Go, Java (Spring) and Kotlin, generating millions in revenue per year
- Designed and programmed utility scripts in Python that support monthly GDPR requests and 3 cron jobs
- Assembled and optimized automation to deploy distributed applications to Kubernetes using Helm and Jenkins
- Led cross-datacenter service and data migration to AWS and FIPS initiatives contributing to secured contracts
- Supported high availability of production services by integrating observability, alerting, and on-call PagerDuty
- Conducted interviews, performed code reviews, pair-programmed and guided interns and junior engineers

CollabNet (acquired by Digital.ai)

Atlanta, GA

Infrastructure Engineer

May 2019 – Oct 2019

- Maintained and optimized infrastructure for flagship project management and automation cloud solution
- Deployed and operated Kubernetes cluster in AWS using Kops, Terraform, and Git driven automation
- Effectively worked independently and with remote teams to determine priority and implement infrastructure changes that provided reliability, security, and predictability

Software Engineer

Jul 2017 – May 2019

- Successfully developed and integrated systems including Python backend API and flagship project management and automation cloud solution to provide core automation functionality
- Coded JWT support in Python backend API, numerous Python APIs, worker tasks, and [NPM package for generating complex automation pipeline objects](#)
- Driving force behind introducing and integrating containerized Python application (originated as [side project](#))
- Introduced new and improved approach to provisioning test and demo environments for value stream orchestration solution using Docker, Packer, Terraform, Vagrant, and AWS that provides faster time-to-value for users/customers

VersionOne (acquired by CollabNet)

Alpharetta, GA

Software Engineer

May 2016 – Jul 2017

- Created Python APIs and integrations, wrote NoSQL queries for MongoDB, and developed core pieces of metrics, analytics, and progression view in React/Redux and jQuery
- Collaborated with project managers and senior architects to gather requirements and effectively worked independently and by pair-programming to fix numerous defects across the Python/React/Redux stack
- Assisted customers with setup and configuration on-prem and attended on-site value stream mapping sessions to better understand and support customer use cases

EDUCATION

Georgia Gwinnett College (GGC)

Lawrenceville, GA

B.S. Information Technology, Software Development

GPA 3.88/4

Honors & Awards: Graduated magna cum laude, 1st place in Database Design at 2016 National Collegiate Conference (NCC)

SKILLS

C# & .NET, PowerShell, Bash, Python, Golang, Java, SQL Server, Typescript, Git, Docker, Kubernetes, Helm, AWS, Jenkins, Terraform, Vault, JIRA, Distributed Systems, Azure DevOps, Azure Service Fabric, Bicep, ARM templates, Azure Traffic Manager, Azure Application Gateway, Azure App Services, Azure Pipelines, CI/CD, Entra ID, Debugging, Networking, Kanban, Scrum