

Matthew Bowers

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Experience

DevOps/Cloud Engineer

San Diego, California (Remote)

Intelliguard Health

Jul 2023 – Present

- Led and optimized CI/CD pipelines, serving as the de facto owner of TeamCity (build) and Octopus Deploy (deployment), significantly improving development workflows
- Automated the release process using AWS EventBridge, Step Functions, and Lambda, eliminating manual deployments and reducing deployment time
- Built a custom dashboard to streamline release tracking, improving visibility for DevOps and QA teams
- Achieved nearly \$80,000 in AWS cost savings through instance right-sizing, reserved instance purchases, and intelligent scheduling of EC2 workloads
- Reduced build times by nearly 50%, cutting core service builds from 1 hour to 25-30 minutes, by optimizing build steps, EC2 instance sizing, and dependency management
- Designed and managed AWS infrastructure primarily through Terraform, ensuring scalable, repeatable, and secure cloud deployments
- Proactively mitigated security vulnerabilities by auditing dependencies, updating libraries, and improving cloud security best practices
- Proposed and started developing automated Jira ticket assignment by integrating commit messages with ticket tracking via APIs
- Explored AI-powered resume filtering using Retrieval-Augmented Generation (RAG) to enhance hiring process
- **Key Skills** : AWS, Python, Bash Scripting, Terraform, Cloud Architecture, Deployment Automation, Docker, Containerization, Octopus Deploy, TeamCity, Platform Engineering

DevOps Engineer

Alpharetta, Georgia (Remote)

ADP

Aug 2021 - Jun 2023

- Design, enhance, and optimize infrastructure and application pipelines to ensure seamless operations.
- Created production-ready Kubernetes clusters using Terraform and AWS, ensuring scalability and reliability
- Deploy and configure diverse AWS services and infrastructure (EC2, SNS, SQS, Route53, Systems Manager, IAM) to build robust environments
- Deliver comprehensive production-level support to Lead Developers and Performance teams
- Utilize Grafana for monitoring of infrastructure performance and issue detection
- Achieved significant cost savings of several thousand dollars by migrating databases to Aurora Serverless and optimizing EC2 instances
- **Key Skills** : Cloud Computing, Kubernetes, Helm, Docker, Jira, BitBucket, AWS, Ansible, Terraform, CI/CD, Concourse Pipelines, Grafana, Automation, Bash Scripting

React Developer

Atlanta, Georgia

MagMutual Insurance

Jan 2021 – May 2021

- Led a team of 5 people, ensuring efficient collaboration and successful project delivery
- Employed React and Material UI frameworks to design and construct various dashboard views tailored to the specific user roles and leveraged Golang for fundamental routing functionality

Software Engineer Intern

Alpharetta, Georgia

ADP

Jun 2020 – Aug 2020

- Conducted research and provided recommendations for an optimal testing framework for UI integration
- Developed automated tests utilizing Mocha and Google Puppeteer to enhance testing efficiency and reliability and integrated them into the Jenkins CI/CD pipeline

Education

Kennesaw State University

Aug 2017 - May 2021

Bachelor of Science in Computer Science with Honors

Certifications

AWS Solutions Architect - Associate

Expected May 2025

Hugging Face AI Agents Fundamentals

Mar 2025

Projects

ResumAI Rank

Feb 2025 - Present

- Building an intelligent resume screening system using RAG technology that processes multiple resumes and analyzes them against specific job requirements provided through user prompts, demonstrating practical applications of large language models in recruitment
- Implementing a scoring algorithm that identifies and ranks the top 5 candidates, generating percentage-based match scores and providing explanations for why each candidate was selected
- Developing this project to gain hands-on experience with RAG models, focusing on document processing, document embedding, semantic search, and natural language generation while creating a practical tool that streamlines the initial resume screening process

Local Development Environment

Intelliguard Health - Oct 2024 - Feb 2025

- Containerized a complete .NET solution using Docker, enabling developers to run the entire application stack locally with consistent environments and dependencies.
- This standardized development setup eliminated "it works on my machine" issues and improved code reliability
- Engineered a specialized Docker container for SQL Server Reporting Services (SSRS) deployment, streamlining the report deployment process and ensuring consistent report rendering across different environments

Automated Deployment Pipeline

Intelliguard Health - Oct 2024 - Nov 2024

- Streamlined CI/CD pipeline by integrating build and deployment processes, accelerating code delivery to Development and QA environments
- Developed a service version tracking dashboard to enhance visibility and deployment monitoring across environments for QA team

Automated Rollback Pipeline

ADP - Sep 2022 - Apr 2023

- Implemented an automated pipeline that runs in the event of a failed promotion to our main environments, facilitating automatic reversion of all changes

Technologies and Skills

Languages : English (Native), French (C1), German (A2, actively learning)

Programming Languages : Python, Bash, PowerShell, SQL, Terraform, Go

Tools/Frameworks: AWS, Docker, Kubernetes, TeamCity, Octopus Deploy, Concourse Pipelines, Grafana, Splunk

Continued Learning : AWS Solutions Architect - Associate Exam, RAG (Retrieval-Augmented Generation) Models, LLMs, Machine Learning, LangChain, MLOps