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SUMMARY

Highly proficient Senior Backend Engineer with 5+ years of experience building and deploying scalable, secure, cloud-native applications on AWS using Python, Kubernetes, and Terraform. Proven ability to collaborate effectively within cross-functional teams to deliver high-performance applications.

EDUCATION

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EXPERIENCE

Acme Corporation San Francisco, CA

Senior Software Engineer

2018-2023

- Developed and maintained 5+ microservices using Python and deployed them to Kubernetes, resulting in a 20% increase in application performance.
- Designed and implemented AWS infrastructure using Terraform, automating resource provisioning and reducing deployment time by 30%.
- Integrated Grafana and Loki for comprehensive monitoring and logging, improving system reliability and reducing incident resolution time by 15%.

PROJECTS

E-commerce Platform Migration to AWS

2022-2023

- Migrated a legacy e-commerce platform to AWS, leveraging EC2, S3, RDS, and Lambda for improved scalability and cost efficiency. Reduced infrastructure costs by 18% and improved application response time by 25%.
- Implemented CI/CD pipelines using Jenkins and Docker, automating the deployment process and reducing deployment errors by 50%.
- Implemented robust security measures, including IAM roles and access control lists, ensuring compliance with industry best practices.

High-Availability Microservices Architecture

2020-2022

- Designed and implemented a high-availability microservices architecture using Kubernetes and Docker, improving application resilience and reducing downtime by 90%.
- Implemented a robust monitoring and logging system using Prometheus, Grafana, and Elasticsearch, providing real-time insights into application performance and identifying potential issues proactively.
- Automated infrastructure provisioning and management using Terraform and Ansible, streamlining deployments and reducing operational overhead.

Real-time Data Processing Pipeline

2018-2020

- Developed a real-time data processing pipeline using Apache Kafka and Spark, processing over 10 million events per day with minimal latency.
- Implemented a data lake on AWS S3 for efficient data storage and retrieval, enabling faster data analysis and reporting.
- Built a custom dashboard using Grafana to visualize key performance indicators, providing stakeholders with real-time insights into data processing performance.

SKILLS

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