Bhavani Mahalakshmi Gowri Sankar

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Summary

- Senior Software Engineer with 4.5+ years of experience in early-stage startups. Expertise in data pipelines, full-stack

- development, microservices, CI/CD, and cloud platforms (AWS, GCP). Proven track record in leading technical projects

- and mentoring engineers. Transitioning focus towards AI to harness its potential and lead innovative projects.

Experience

- Founding Backend/Data Engineer, Kinimatic Jul 2023 - Present

- •Leading data engineering for EDI integration (STEDI), cutting down manual manipulation and enhancing processing

- speed by 80%.

- •Spearheaded development of a robust backend Flask application, increasing response time by 40%.

- •Automated AWS resource provisioning and management using Terraform, decreasing deployment time by 50%.

- •Built a CI/CD pipeline on GitLab, diminishing deployment efforts by 75% and accelerating deployment time by 40%.

- Software Engineer Intern, Amazon Sep 2022 - Dec 2022

- •Directed a project redirecting traffic from a failing Availability Zone, impacting 35% of overall Amazon.com traffic,

- targeting 80% downtime reduction.

- •Took complete ownership of project end-to-end, from requirement collection and design to implementation and deploy-

- ment within a 60-day timeframe.

- •Modified and deployed Microservices across 6 different modules written in Java and Go, optimizing system performance

- and increasing overall reliability for uninterrupted service delivery.

- Software Engineer Intern, Flexport May 2022 - Aug 2022

- •Owned a complete standalone project to improve user experience, cutting down clicks from 14 to 4 and decreasing user

- engagement time by 300%.

- •Designed a streamlined user flow using React.js for front-end and Spring Boot for backend, resulting in a more efficient

- and user-friendly experience.

- •Collaborated with the design team to understand user needs and translate them into an intuitive and efficient user

- interface, resulting in a 40% increase in user satisfaction.

- Founding Software Engineer, RheoAI Solutions Jan 2020 - Jul 2021

- •Designed and built a high-performance backend RESTful service for Grafana (Python, GoLang), utilizing a multi-

- database architecture (PostgreSQL, Elasticsearch, DynamoDB) to shorten API response times by 20%.

- •Pioneered microservices architecture for backend, achieving a 25% improvement in modularity and deployment speed.

- •Led a team of 3 backend engineers, fostering knowledge sharing and mentoring junior engineers, resulting in a 10%

- increase in code quality within 6 months.

- •Open Source contribution to Grafana with Multi-Factor Authentication, projected to reduce unauthorized access

- attempts by 30%.

- Software Engineer, CaratLane Jun 2018 - Dec 2019

- •Enhanced performance of 5 internal Ruby on Rails applications, resulting in a 25% increase in transaction processing

- speed.

- •Optimized MySQL queries and database structures, resulting in a 20% reduction in search times, leading to an estimated

- 15% increase in product searches per hour and a 10% decrease in user wait time.

- •Mentored 6 new recruits, reducing senior engineer workload by an estimated 20% and contributing to a 15% increase

- in team productivity within the first 3 months.

- KEY SKILLS

- Programming: Python, Java, Golang, Ruby, JavaScript

- Frameworks: Flask, Node.js, Spring Boot, Ruby on Rails, React.js

- DevOps: Docker, Terraform, Kubernetes, CI/CD, GitLab, Buildkite

- Databases: PostgreSQL, MySQL, Elasticsearch, DynamoDB

- Cloud Platforms: AWS, GCP

- Software Development: Microservices, Agile Application Development, Full-Stack Development

- Others: EDI (Electronic Data Interchange), Stakeholder Analysis, Unit Testing, New Relic, Linux, Team Leadership,

- Scrum

Education

- Masters, Computer Science Aug 2021 - May 2023

- Arizona State University, GPA: 4.0/4.0

- Bachelor of Engineering, Computer Science Jul 2014 - May 2018

- Madras Institute of Technology, Anna University, GPA: 3.75/4.0

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