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 deployment 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**