ESHWAR HEBBUR SHIVAKUMAR

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EDUCATION

Master of Computer Science, Northeastern University, Boston, MA (**GPA** : 3.83/4)   Expected December 2024
Relevant Coursework: Program Design Paradigm, Algorithms and Data Structures.

B.Tech in Computer Science and Engineering, PES University, India (**GPA** : 8.66/10)   May 2021
Relevant Coursework: Networking, Security, Agile Software Development, Web Application Development

SKILLS

Programming Languages	Java, Python, Golang, C, C++, MySQL, HTML, CSS, PHP, JavaScript, Typescript
Frameworks	Angular, Node, Flask, Spring Boot, React, JSwing
Cloud & CI/CD	Git, Docker, Kafka, RabbitMQ, AWS, Kubernetes, Terraform, ArgoCD

WORK EXPERIENCE

Hologic Inc   January 2024 - Present
Software Developer Co-Op   *Marlborough, MA*
Skills: React, Python, Docker, Linux, Bash Scripting, TypeScript, Azure, OpenAI

- Developed and customized three chatbots using React, Python Flask, and TypeScript, integrating advanced LLMs and Azure Cognitive Search for enhanced functionality and efficient query responses.
- Streamlined development processes with Bash scripting, Linux environments, and Docker, optimizing deployment efficiency.

DecOps   July 2023 - September 2023
Software Engineer Intern (Project : Simpfi.ai)   *Raleigh, NC*
Skills: Supabase, TypeScript, Terraform, AWS (S3, DynamoDB)

- Architected 15 RESTful APIs to manage workflows, schedule jobs and trigger actions, allowing automation of business processes on no-code platform reducing the deployment of web3 applications by 40%.
- Provisioned AWS S3 to store workflow config files and Supabase local database cluster through Terraform.

Epsilon   January 2021 - June 2022
Software Engineer 1 (Project : People Cloud Customer)   *Bengaluru, India*
Skills: Java, SpringBoot, Sonar, Veracode, Kafka, PostgreSQL, Terraform, Angular, Python, AWS (S3, SES, EC2, Lambda)

- Spearheaded the development of an Angular application to eliminate daily monitoring of 120 test pipelines.
- Achieved 50% reduction in deployment time using CI/CD to automate cloud infrastructure and feature rollout.
- Utilized Python script to monitor Bitbucket configuration changes and apply them to 80+ client environments.
- Enhanced code quality of 4 Java Spring apps by reducing code smells and bugs by 30%, resulting in heightened system stability and maintainability.
- Designed and implemented over 30 secure REST APIs in Java, integrating with AuroraDB and Okta for authorization.

PROJECTS

Cruddur (Flask, Docker, React, DynamoDB, Postgres, AWS Cognito)

- Conceptualized and containerized a micro-blogging platform on React and Flask, deployed on AWS through Cloud Formation.
- Implemented Decentralized Authentication via AWS Cognito, integrated observability with HoneyComb, facilitated error logging using Rollbar and Serverless image processing using AWS Lambda.

EverWrite (Flask, React, MongoDB, Docker, Kubernetes, Prometheus, ArgoCD, GitHub Actions, Grafana)

- Containerized and deployed 3 microservices on Minikube K8 cluster. Leveraged Prometheus to aggregate metrics and monitor the cluster state, Grafana to create a dashboard for visualization.
- Configured Continuous Deployment GitHub Actions workflow to build and push Docker images of frontend and backend services.

RideShare (Flask, Docker, Zookeeper, RabbitMQ, SQLite, AWS (API Gateway, EC2, S3))

- Developed backend, master-slave architecture for DbaaS. Management of worker pods using Docker and Zookeeper. Database consistency using RabbitMQ.