Eshwar Hebbur Shivakumar

Boston, MA

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EDUCATION

Northeastern University, Boston, MA   September 2022 – Present
Master of Science in Computer Science   **GPA: 3.75/4.0**

PES University, Bengaluru, India   August 2017 - May 2021
Bachelor of Technology, Computer Science and Engineering   **GPA: 8.66/10**

TECHNICAL SKILLS

Languages	Java, Python, Golang, C, C++, SQL, HTML, CSS, PHP, JavaScript, Typescript
Frameworks	Angular, Node, Flask, Spring Boot, React, JSwing
Software & Tools	Git, Docker, Zookeeper, RabbitMQ, Serverless, AWS, Kubernetes, Terraform, Kibana, Firebase

CERTIFICATIONS

- **HashiCorp Certified: Terraform Associate (003)** ⬈   **July 2023**

PROFESSIONAL EXPERIENCE

Software Engineer Intern | DecOps (Remote – Boston, MA)   **June 2023 – September 2023**
- Architected 15 RESTful APIs to manage workflows, schedule jobs and trigger actions, allowing automation of business process on no-code platform reducing the deployment of web3 applications by 40%.
- Leveraged AWS, Typescript, Next.js and Vercel to deploy application using GitHub Actions.

Graduate Teaching Assistant | Northeastern University (Boston, MA)   **May 2023 – June 2023**
- Conducted office hours and meticulously evaluated assignments for a 145-student cohort in the Database Design course.
- Guided and mentored students on 65 projects involving SQL/NoSQL databases, Node.js, React, MongoDB and Python.

Freelancer - Backend NodeJS Developer | PrimeLab (Remote – Bengaluru, India)   **June 2022 – August 2022**
- Managed a 10-developer team to successfully transition 6 micro-services from NodeJS to Typescript, amplifying performance.
- Developed over 30 scalable REST APIs using Typescript, Serverless Framework and AWS Lambda to interact with smart contracts, enabling the onboarding of 700k wallets on NEAR blockchain.

Software Engineer 1 | Epsilon (Bengaluru, India)   **January 2021 – June 2022**
- Spearheaded the development of an Angular, NodeJS, and GoCD API-powered website reducing daily monitoring time of 120 test pipelines by 2 hours.
- 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 automatically apply them to 80+ client environments.
- Enhanced code quality of Java Spring apps by reducing code smells and bugs by 30% using Veracode and Sonar, resulting in heightened system stability and maintainability.
- Designed and implemented more than 30 secure REST APIs in Java, integrating with AuroraDB and Okta for authorization.

PROJECTS

Cruddur ⬈ | Flask, Docker, React, DynamoDB, Postgres, Cognito
- Conceptualized and containerized a micro-blogging platform created with 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. (GitHub)

GeoNotif ⬈ | Android, Java, OpenStreetMap, Firebase, GeoFire
- Engineered a location-based task notifier app using OpenStreetMap API, Firebase, and Firestore, optimizing task handling and geo-location integration.
- Boosted user engagement by introducing gamification elements, including reward points for task completion and delegation.

Rideshare Application ⬈ | Flask, Docker, AWS, Zookeeper, RabbitMQ, SQLite
- Developed backend, master-slave architecture for DbaaS. Management of worker pods using Docker and Zookeeper. Database consistency using RabbitMQ.
- Designed and deployed an Orchestrator pod on Docker for high availability, fault tolerance, and scalability, load balancing APIs on AWS EC2.