Eshwar Hebbur Shivakumar

Boston, MA | Phone: 857-390-5559 | hebburshivakumar.e@northeastern.edu | eshwarhebbur.com
Available: September 2023 - August 2024

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 Engineering 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 the Simpfi.ai application and perform alpha testing before release.

Graduate Teaching Assistant | Northeastern University (Boston, MA)   **May 2023 – June 2023**
- Conducted office hours and graded assignments for undergrad Database Design course with class a of 145 students.
- Coordinated with course professor 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 and executed migration of 6 micro-services from NodeJS to Typescript to improve performance.
- Developed 30+ scalable REST APIs using Typescript, Serverless Framework and AWS Lambda to interact with smart contracts, resulting in onboarding of 700k wallets on NEAR blockchain.

Software Engineer 1 | Epsilon (Bengaluru, India)   **January 2021 – June 2022**
- Led the development of an Angular, NodeJS, and GoCD API-powered website to monitor real-time status of 120 regression test pipelines, reducing daily monitoring time by 2 hours.
- Improved production deployment time by 50% for cloud infrastructure deployment, feature rollout using AWS and Terraform.
- Utilized Python script to monitor Bitbucket configuration changes and automatically apply them to 80+ client environments.
- Optimized code quality of Java Spring apps by reducing code smells and bugs by 30% using Veracode and Sonar, resulting in enhanced system stability and maintainability.
- Designed and implemented 30+ secure REST APIs in Java, integrating with AuroraDB and Okta for authorization.

PROJECTS

Cruddur ⧉ **|** Flask, Docker, React, DynamoDB, Postgres, Cognito
- Micro-blogging platform with 3000+ users where posts automatically disappear over time. Containerized application created using React and Flask, deployed on AWS using Cloud Formation.
- Implemented Decentralized Authentication using AWS Cognito, observability using HoneyComb, Error logging using Rollbar and Serverless image processing using AWS Lambda. (GitHub)

GeoNotif ⧉ **|** Android, Java, OpenStreetMap, Firebase, GeoFire
- Location-based task notifier app leveraging OpenStreetMap API, Firebase, and Firestore for efficient task handling and seamless geo-location integration.
- Increased user engagement by gamification using reward points for completing tasks and assign tasks to others.

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.