

# Eshwar Hebbur Shivakumar

Boston, MA | Phone: 857-390-5559 | hebburshivakumar.e@northeastern.edu | [eshwarhebbur.com](https://eshwarhebbur.com)

Available: September 2023 - August 2024

## EDUCATION

**Northeastern University**, Boston, MA  
Master of Science in Computer Science

September 2022 – Present  
**GPA: 3.75/4.0**

**PES University**, Bengaluru, India  
Bachelor of Technology, Computer Science and Engineering

August 2017 - May 2021  
**GPA: 8.66/10**

## TECHNICAL SKILLS

<b>Languages</b>	Java, Python, Golang, C, C++, SQL, HTML, CSS, PHP, JavaScript, Typescript
<b>Frameworks</b>	Angular, Node, Flask, Spring Boot, React, JSwing
<b>Software &amp; Tools</b>	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 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.