

# Eshwar Hebbur Shivakumar

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Available: May 2023 - December 2023 | January - August 2024

## EDUCATION

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

Relevant coursework: Program Design Paradigm, Algorithms, Database Management Systems

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

Relevant coursework: Advanced Algorithms, Operating Systems, Cloud Computing, Network Security

## TECHNICAL SKILLS

<b>Languages</b>	Java, Python, 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

## PROFESSIONAL EXPERIENCE

**PrimeLab**, Remote June 2022 - August 2022  
Freelancer - Backend NodeJS Developer

- Managed a team of 10 developers and led the migration of several micro-services from NodeJS to Typescript.
- Developed scalable REST APIs using Typescript, Serverless Framework and AWS Lambda to interact with smart contracts published on NEAR blockchain protocol.

**Epsilon**, Bengaluru, India January 2021 - June 2022  
Software Engineer 1

- 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.
- Automated cloud infrastructure deployment and feature rollout using AWS and Terraform, resulting in a 50% reduction in production deployment time.
- Utilized Python script to proactively monitor Bitbucket configuration changes and apply them to client environments.
- Improved 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 where posts automatically disappear over time. Containerized application created using React and Flask, deployed on AWS using Cloud Formation.
- Decentralized Authentication using AWS Cognito, observability using HoneyComb, Error logging using Rollbar and Serverless image processing using AWS Lambda ([link](#))

**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. ([link](#))

**Stock Trading App** | Java, Swing

- Developed a platform to manage user portfolios, trade stocks, invest using DCA strategy, and rebalance portfolios.
- Implemented MVC architecture with Object Oriented code using Adapter, Façade, and Command Design patterns. Extensively tested application using Junit and abstracted code following SOLID design principles.

**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. ([link](#))