Eshwar Hebbur Shivakumar

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Dates available for Co-op/Internship: May 2023 - December 2023

EDUCATION

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

Languages	Java, Python, C++, PostgreSQL, MySQL, HTML, CSS, PHP, JavaScript, Typescript.
Frameworks	Angular.JS, Node.JS, Flask, Spring.
Software & Tools	Git, BitBucket, JIRA, Docker, Zookeeper, RabbitMQ, Serverless, AWS, Terraform, GoCD.

PROFESSIONAL EXPERIENCE

PrimeLab, Remote
Freelancer - Backend NodeJS Developer   June 2022 - August 2022
- 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
Software Engineer 1   August 2021 - June 2022
- Designed and developed a website using Angular, NodeJS and GoCD APIs to monitor real-time status of 120 pipelines running regression tests, reducing manual effort of monitoring by 2 hours every day.
- Automated deployment of cloud infrastructure and feature in different client environments using AWS and Terraform, reducing production deployment time by 50%.
- Leveraged Python scripting to proactively monitor configuration changes in Bitbucket and apply them on client environments.

Software Engineer - Intern   January 2021 - July 2021
- Improved code quality of Java Spring apps by reducing code smells and bugs using Veracode and Sonar.
- Designed and developed over 30 REST APIs in Java, integrated with AuroraDB and Okta for authorization.

ACADEMIC PROJECTS

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 cloud-based SaaS application. Created and managed worker pods using Docker and Zookeeper. Handled database consistency using RabbitMQ.
- Designed and implemented an Orchestrator pod on docker to provide database functionality, high availability, fault tolerance and scalability. Load balanced the APIs and hosted on AWS EC2 instances.

Attendance Manager Application, Java, Android, SQLite
- Designed and implemented an android app to help students track attendance, using Android Studio and Java for frontend and SQLite to store attendance information.
- App provides insights for a particular class and notify user if attendance criteria is not met.