

Eshwar Hebbur Shivakumar

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EDUCATION

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

September 2022 – Present
GPA: 3.8/4.0

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

August 2017 - May 2021
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 on 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](https://github.com))

EverWrite  | Flask, React, Docker, Kubernetes, Prometheus

- Containerized and deployed 3 microservices on Kubernetes using resources like deployments, services, config map and secrets for a note-taking application. Leveraged Prometheus to aggregate metrics and monitor the cluster state.
- Designed RESTful APIs for users and notes service on Flask and MongoDB as the underlying database.

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.