

SHREYAS KOTHARI

Awarded with Excellence in **AWS Solution Architect & AWS Developers Associate** Certifications

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SUMMARY

Proactive 2xAWS certified **Software Engineer** with 3+ years of experience in building web apps and scalable backend services. Passionate about GenAI & proficient in **Java, React**, REST APIs and AWS with strong DevOps exposure using Docker, Terraform, k8s and Ansible

EDUCATION

Northeastern University, Boston, MA

Jan 2024 - Expected Dec 2025

Master of Science: Information Systems, GPA: 3.9

Relevant Courses: **Web Development, Cloud Computing**, UI/UX, Design Patterns, Data Structures & Algorithms

Ramdeobaba College of Engineering, Nagpur, India

Aug 2016 - May 2020

Bachelor of Engineering: Computer Science and Engineering, GPA: 3.6

WORK EXPERIENCE

Ribbon Communications, Boston | DevOps Engineer Intern

May 2025 - Dec 2025

- Automated deployment of multi-pod PSX clusters on **Kubernetes** using **Helm Charts** with **pre/post lifecycle hooks**, enabling seamless scalability and reducing release cycles by 70% while minimizing human error by 90%
- Engineered **Ansible-based** automated validation framework to monitor **Kubernetes** pod health, connectivity, resource utilization and application reliability within containerized microservices, to achieve 99.9% system uptime and reduce rollback incidents by 50%

Accenture, Bangalore, India | Senior Software Engineer

Dec 2022 - Dec 2023

- Pioneered the integration of Stardog Knowledge Graph POC into distributed Spring Boot service by architecting virtual graph abstraction layer that dynamically mapped 200+ relational **SQL** queries to **SPARQL** endpoints, enhancing data visualization
- Modernized system observability using **Prometheus and Grafana**, reducing MTTR from 4hrs to 30min by setting up alerts & dashboards
- Architected scalable REST APIs in **Spring Boot** and deployed on **AWS EC2**, optimized to handle 50K+ daily requests by integrating **Redis** cache, **Resilience4j** circuit breakers, and async processing using thread pools cutting response latency by 40%
- Designed the architecture of scalable microservices using **Spring Cloud**, **Docker**, and **AWS EKS** with integrated service discovery, distributed tracing, and capable of handling 100K+ concurrent requests using **AWS ALB, ASG**
- Automated test-driven delivery(TDD) workflows using **JUnit and Mockito**, within CI/CD pipelines powered by **GitHub Actions** to trigger customized **Packer** AMIs, **AWS CodeBuild**, and **Terraform** enabling blue-green deployments with 25% faster release cycles

Accenture, Bangalore, India | Associate Software Engineer

Dec 2020 - Nov 2022

- Led the migration of **React.js** state management from **Recoil** to **Redux** Toolkit and built reusable components for access control and dashboard widgets, reducing bundle size by 20% and improving render efficiency across high-traffic views
- Scheduled multi-user access providing service using real-time event processing pipeline with **Apache Kafka**, **Zookeeper** and **AWS Lambda**, batch processing access requests into Active Directory, reducing application latency by 35%
- Optimized **PostgreSQL** performance using pgBadger, query optimizing reducing execution time from 2s to 200ms, leading to 35% boost

ACADEMIC PROJECTS

Cloud Native Microservice based AWS Automation | AWS, Terraform, Bash, PowerShell | [GitHub Link](#)

Sept 2024 - Dec 2024

- Architected a scalable, cloud-native user onboarding system with autonomous registration and identity verification workflows
- Provisioned AWS infrastructure using **Terraform** (IaC) to deploy **VPC, S3, RDS, SNS** reducing manual setup time by 80%

Task Master Pro | Java(Spring Boot), ReactJS(JavaScript, TypeScript), AWS Lambda | [GitHub Link](#)

May 2024 - June 2024

- Published Task Management System using **Spring Boot** with microservices architecture for back-end and **Reactjs + MUI** for front-end
- Secured APIs with **JWT authentication**, integrated **Redis** for caching, **Kafka** for event streaming & **AWS S3** for distributed file storage
- Embedded **GenAI module** using OpenAI API to suggest subtasks context-aware resources reducing planning and research time by 50%

Share Bite | React.js, Node.js, JavaScript, MongoDB, MUI, Express.js | [GitHub Link](#) [Website Link](#)

Mar 2024 - April 2024

- Launched a full-stack **surplus food distribution web application** facilitating event posting, blog sharing, and geolocation-based tracking
- Implemented Node.js based back-end with **Express.js**, **MongoDB** and responsive UI using **ReactJS & Redux** for user state management

SKILLS

Technologies :	Ansible, Helm Chart, Java, Spring Boot, ReactJS, JavaScript, Node.js, C#, Python, SQL, Shell, ASP.Net Core
Databases :	PostgreSQL, Firebase, MongoDB, NoSQL, SPARQL, AWS (S3, RDS)
Cloud and Tools :	Azure, AWS, Terraform, Docker, Kafka, LangChain, Stardog, Packer, GitHub, Visual Studio
Miscellaneous :	Agile, Scrum, JIRA, RESTful APIs, Problem-solving, Linux, Windows, Data Structure, OOP