

# SHREYAS KOTHARI

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

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## SUMMARY

AWS-certified Software Engineer with 3+ years building web apps and scalable back ends. Skilled in **Java, React, JavaScript, REST APIs, databases, GenAI and AWS**; experienced in DevOps (Docker, Terraform, Kubernetes, Ansible)

## EDUCATION

Northeastern University, Boston, MA

Jan 2024 - Apr 2026

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

- Streamlined multi-instance PSX deployments by integrating **Helm Chart** based packaging system that generates synced configs for primary/replica instances, enabling one-command provisioning and cutting release time by 70%
- Engineered an **Ansible** validation automation framework to test pod health, connectivity, and app reliability in Kubernetes, achieving 99.9% uptime and reducing rollbacks by 50%
- Integrated a **Kubernetes Operator (ROCK)** into Helm releases and leveraged pre/post **lifecycle hooks** to automate upgrade sequencing and ensure consistent state reconciliation

**Accenture**, Bangalore, India | Senior Software Engineer

Dec 2022 - Dec 2023

- Decoupled **Spring Boot** REST APIs from 3rd-party dependencies by integrating **Kafka** and added Redis cache along with async thread pools to support 50K+ daily requests with 40% lower latency
- Modernized observability with **Prometheus and Grafana** to set up dashboard & alarms, reducing MTTR by 70%
- Designed scalable microservices architecture with **Spring Cloud, Docker, and AWS ALB, ASG** with integrated service discovery, capable of handling 100K+ concurrent requests
- Automated test-driven delivery(TDD) using **JUnit** within CI/CD pipelines powered by **GitHub Actions** to trigger customized Packer **AMIs** and **AWS CodeBuild** enabling blue-green deployments with 25% faster release
- Enhanced **data visualization** by integrating Stardog into Spring Boot service to architect dynamic **Knowledge Graph** that mapped 200+ relational **SQL** queries to **SPARQL** endpoints

**Accenture**, Bangalore, India | Associate Software Engineer

Dec 2020 - Nov 2022

- Led migration of **React** from **Recoil to Redux Toolkit** and built reusable components for access control and dashboard widgets, reducing bundle size by 20% and improving render efficiency
- Scheduled multi-user access providing service using real-time event processing pipeline with **Apache Kafka** and **AWS Lambda** to batch access requests into Active Directory, lowering latency by 35%
- Optimized multi-table SQL queries by refining joins & eliminating redundant lookups, improving API latency & stability

## ACADEMIC PROJECTS

**Microservice based AWS Automation** | AWS, Terraform, Bash, Shell | [GitHub Link](#)

Sept 2024 - Dec 2024

- Architected a scalable access management system with identity verification workflow using Pub-Sub model
- Provisioned AWS infrastructure using **Terraform** to deploy **VPC, S3, RDS, SNS** reducing manual setup time by 80%

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

May 2024 - Jun 2024

- Published an application using **Spring Boot** with microservice based back-end and **Reactjs + MUI** for front-end
- Secured APIs with **JWT**, integrated **Redis** for cache, **Kafka** for event streaming & **AWS S3** for file storage

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

Mar 2024 - Apr 2024

- Launched **MERN** full-stack **surplus food distribution app** with event posting and geolocation-based tracking

## SKILLS

Technologies : Java, ReactJS, JavaScript, Node.js, Python, LangChain, C#, ASP.Net Core

Databases : PostgreSQL, MongoDB, Firebase, NoSQL, SPARQL, AWS (S3, RDS)

Cloud and Tools : AWS, Azure, Kubernetes, Terraform, Docker, Ansible, Helm, Stardog, GitHub

Miscellaneous : Agile, Scrum, JIRA, RESTful APIs, Problem-solving, Linux, Windows, Data Structure, OOP