

DEEPALI NAGWADE

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EDUCATION

Stevens Institute of Technology

MS, Computer Science | GPA: 3.8 /4.0

New Jersey, USA

Sep 2022 - May 2024

Courses: Web Programming, Agile Methods for Software Development, Data Mining, Software Design, Analysis and Engineering

Shri GS Institute of Technology and Science

BE, Computer Science | GPA: 3.2 /4.0

Indore, India

Aug 2014 - May 2018

Courses: Database Management, Algorithms, Distributed Computing, Operating Systems, Computer Networks

PROFESSIONAL EXPERIENCE

PWI Works

Full-Stack Developer

Indiana, USA

Jul 2024 - Present

- Developing a Vacations app with **Flutter**, Dart, and **Firebase**, centralizing leave management, eliminate reliance on external systems, and automating payroll for 200+ employees, saving HR 15+ hours monthly
- Utilizing Firebase and **GCP** services like Cloud Run, Pub/Sub, Firestore, and Cloud Functions to drive real-time scalability, automate workflows, and manage secure data processing in the leave management system

Anuta Networks

Software Developer

Bengaluru, India

Jul 2021 - Jul 2022

- Developed a device management microservice in **Node.js** with **Kafka** for real-time data streaming, delivering scalable RESTful APIs handling millions of concurrent operations with minimal latency
- Designed and implemented a robust **CI/CD** pipeline with **Docker** and **Jenkins**, increasing deployment frequency while reducing failure rates through automated testing and seamless rollbacks
- Optimized the network orchestration system using AWS services like **ElastiCache**, **Lambda**, and **CloudWatch**, enhancing performance by 10% through faster data caching, automated scaling, and proactive monitoring for reduced latency

Infosys Ltd.

Senior Software Engineer

Bengaluru, India

Jun 2018 - Jul 2021

- Migrated a monolithic platform into a **Spring Boot** and **React** driven MVC architecture, enhancing System Modularity
- Designed and implemented robust data migration pipelines using **Python**, ensuring 99% accuracy across 2M+ product and customer records during the migration
- Analyzed user feedback during the **SDLC**, leading to **UI/UX** enhancements that boosted user engagement by 27% across the e-commerce platform
- Leveraged **AWS auto-scaling** to optimize application resources and migrated the system from **Oracle** to **DynamoDB**, which resulted in a 20% reduction in database related delays hence improving system performance
- Optimized product search using **Solr**, and integrated the **ELK stack** for real-time log analysis and monitoring, enhancing operational efficiency and accelerating issue resolution by 32% for production support team

ACADEMIC PROJECTS

Streamlytics: Content Streaming and Analytics | [GitHub](#)

May 2024 - Present

- Developed a Netflix-like content streaming platform on **AWS** using Spring Boot and **GraphQL**, tested with simulated traffic to handle real-time personalized recommendations and process 1M+ user interactions daily
- Leveraged **Kafka** for streaming and **AWS Lambda** for automated content ingestion, achieving 40% faster content delivery

All Football: European football live statistics | [GitHub](#)

Oct 2023 - Nov 2023

- Developed a high-performance FotMob app clone using **React** and a custom GraphQL backend, enabling real-time football (soccer) updates and supporting over 1000 concurrent users with seamless data integration
- Deployed the application on AWS utilizing **load balancing**, **auto-scaling**, achieving high reliability, and 99.5% up-time

YASMP: Yet Another Social Media Platform | [GitHub](#)

Oct 2022 - Dec 2022

- Designed a **MERN** stack Instagram clone, with 2 extra features: Mood Based Content Filtering and Flag inappropriate content
- Performed container orchestration with **Kubernetes**, integrated **Apache Kafka** for messaging, **Redis** for caching and **Web-sockets** for real time communications resulting in improved operational efficiency and management of 5k+ active connections

TECHNICAL SKILLS

Languages and Frameworks: Java, Python, JavaScript, Typescript, Node, Springboot, NextJs, ReactJS, Redux, Bootstrap

Databases/Cloud: MySQL, MongoDB, AWS (S3, EC2, IAM, Aurora, CloudFront, Kinesis, RDS, DynamoDB), Microsoft Azure

DevOps and OS: Git, Docker, Terraform, CI/CD Pipelines, Jenkins, Kubernetes, IaC, Linux, Mac, Windows

Development Tools: JIRA, Confluence, Git (GitHub, GitLab), Excel, VS Code, Postman

Certifications: AWS Certified Solution Architect (ongoing), Front-end Software Development (Meta), Graph Developer (Apollo GraphQL), Software Design Patterns (Coursera), Bloomberg Market Concepts (Bloomberg)