

Neev Shah

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EDUCATION

Master of Software Engineering (GPA: 3.87/4.00) August 2022 - May 2024
Arizona State University Tempe, AZ

Courses: Adv Data Structures & Algorithms, Software Design, Software Testing, Semantic Web

B.Tech. in Computer Engineering (GPA: 9.10/10.00) July 2018 - June 2022
Pandit Deendayal Energy University Gandhinagar, India

Courses: Object Oriented Programming, Database Management, Cloud Computing, Distributed Systems.

TECHNICAL SKILLS

Languages: C/C++, JavaScript, Python, Java, Dart, Solidity, SQL, Kotlin, Typescript

Technologies: ReactJs, NodeJs, NextJs, Express.Js, Flutter, HTML, CSS, D3.Js, Springboot

Databases: MongoDB, Firestore, MySQL, Oracle SQL, Postgre SQL, DynamoDB

Developer Tools: Docker, Git, Github, AWS, Redis, Jira, RabbitMQ, Taiga, Android studio, Visual Studio Code

EXPERIENCE

Software Developer July 2024 – present
EPICS at Arizona State University Remote, US

- Developed and managed the venue's calendar-based dashboard using **Next.js**, **Prisma ORM**, and **PostgreSQL**, which boosted average session duration by **20%**.

Software Engineer June 2022 – June 2024
Welcome Broker Remote

- Engineered a business management application using **Flutter**, featuring personalized sales analysis, order management, and tracking systems. It increased order accuracy from **73.42% to 99.94%**.
- Spearheaded end-to-end development of Android and ios applications, as well as an internal platform, using **React.js**, while **leading** a team of **5** developers to enhance user experience and system reliability.
- Built the backend using **NodeJs** and **MongoDB**, optimizing the invoicing service with **Redis-based caching**, which improved response times by **90%**. Deployed the application using **Docker** on **AWS**.
- Programmed a **notification system** for timely user updates and real-time alerts on financial transactions and delivery status, increasing **daily active users (DAU)** by **43%** over 3 months.

Full stack Software Engineer Intern Jan 2022 – May 2022
Apice Tech Pvt Ltd. Delhi, India

- Programmed features like a project management tool, CI/CD flow management, and testing automation management in the back-end utilizing **Java Spring Boot** and **Oracle SQL**, working with microservice-based architecture to build a SaaS platform, which resulted in an increase in bug detection by up to **70%**.
- Applied Agile methodologies to create front-end screens for features API Testing & automated Deployment using **React.js** & **SCSS**, and Integrated with REST APIs. Supported production environments using Docker & AWS.

PROJECTS

Git Lazy Tracker (Capstone Project) Demo

- Developed the tool for the Software Engineering managers to generate developers' performance analysis reports.
- Worked with the **Next.Js** to develop the frontend, whereas utilized **Flask** to develop the backend.
- Incorporated **AWS CDK** for cloud architecture including various AWS services like the **S3**, **API gateway**, **Lambda**, **EC2**, and **DynamoDB**.

CrimeLens Demo

- Crafted a data visualization dashboard that shows various studies of crime in the US using **Next.js with D3.js**. Integrated **GraphQL** and a **Java Spring**-based backend to fetch and manage data efficiently.
- Preprocessed the 3 datasets, prepared the ontology according to the datasets, created a Knowledge graph, hosted it on the Apache Jena Fuskei server, and ran the SPARQL queries to fetch open linked data from the Apache Jena.

Electchain Github / Demo

- Architected & Developed a blockchain-based E-Voting android application using **Kotlin**.
- Implemented features like proof of work-based secured voting transactions using Smart contract developed using **Solidity**, as well as managing the registration, voting, and results, and other features like two-factor authentication using **NodeJs**.