

KEYUR KHANT

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EDUCATION

Master of Applied Computer Science, Dalhousie University (GPA – 4.07/4.3)

Halifax, NS, Canada | Jan 2023 – Aug 2024

Bachelor of Computer Engineering, Gujarat Technological University (CGPA – 8.65/10)

Gujarat, India | Aug 2016 – Aug 2020

SKILLS

Programming Languages: C/C++, Java, JavaScript, Python, TypeScript, SQL

Frameworks & Libraries: Node.js, Nest.js, React, Spring Boot, Redux, React Native, Angular, Flask, Playwright, Selenium, Detox, Junit, Jest

Databases: MySQL, MongoDB, PostgreSQL, Redis, DynamoDB, Firestore

Cloud & DevOps tools: AWS (Lambda, Kinesis, SNS, SQS, CloudFormation), GCP (Kubernetes Engine, PUB/SUB), Git, Docker, Kubernetes, Jenkins, Groovy, GitHub Actions, CircleCI, Terraform

Concepts and Practices: SOLID Principles, CI/CD, Test-Driven Development, System Designs and Patterns, Agile Methodology (SCRUM)

EXPERIENCE

Edba.io | Software Engineering Consultant

Mumbai, MH, India | Jan 2023 – Aug 2023

- Spearheaded the initial development of an interactive cross-platform Learning Management System, showcasing proficiency in React Native, React, NestJS, GraphQL, MongoDB and AWS.
- Created GraphQL to REST adapter pattern for a third-party Contentstack Rich Text Editor integration, while also establishing a cross-platform testing environment across native and web platforms through Playwright and Detox and increased test coverage by 35%.

Contentstack | Software Engineer

Mumbai, MH, India | June 2022 – Dec 2022

- Contributed to the development of JSON-based Rich Text Editor (RTE) APIs and Live Preview SDK, specializing in content management models using NestJS, Redis and React including 100% test code coverage.
- Enhanced RTE load testing performance by 54%, implementing automated load testing tool, and introduced right-to-left (RTL) language detection and internationalization support using Python and SlateJS.
- Played a pivotal role in successfully migrating the project to a micro frontend architecture using webpack and module federation.

Cybage Software | Software Engineer

Gandhinagar, GJ, India | Dec 2020 – June 2022

- Actively contributed to application development using Node.js, AWS, Angular, React, and Kendo UI, collaborating in agile requirement gathering with onshore client teams.
- Involved in the development of a serverless consumer loyalty management system with AWS, and established an efficient Jenkins CI/CD pipeline to automate build, testing, and deployment processes.

PROJECTS

Git Colab: Open-source Integration Hub

Spring Boot, MySQL, GitLab CI/CD, Docker, React

- Git Colab is a web-based platform created to foster seamless and free integration between GitHub and Jira, with the goal of boosting collaboration and productivity for open-source contributors.
- Followed the TDD approach to increase the code quality and reliability and achieved code coverage of about 95% using JUnit.

Trivia Game: Multi-cloud serverless quiz trivia game

Serverless(AWS, GCP), React, ChakraUI, NodeJS, Python

- Designed and implemented a serverless architecture utilizing cloud services from AWS and GCP, ensuring high availability, scalability, and cost-efficiency.
- Implemented on unified notification module to provide dual (email and push) notification system using AWS WebSocket, SNS, SQS and Lambda.

Agriculture Automation using Crop & Crop Yield Prediction

Scikit-learn, Google Firestore, Raspberry Pi, Python

- Worked on agricultural solution to pre-plan the crop plantation for effective farming using Machine Learning.
- Analysed meteorological data, crop affecting factors and developed model using Random Forest Algorithm with 92.8% accuracy.
- IoT based implementation using Raspberry Pi and Google Firebase for smart irrigation.
- Design a prototype dashboard for web access of e-farming system using Angular and Flask.

Multi-tenant E-commerce platform builder

NestJS, React, MongoDB, Redis, Docker, Kubernetes, Redux Saga

- Creating a scalable and efficient system architecture to support multiple tenants with isolated data and configurations.
- Implementing robust backend services in NestJS for handling various E-commerce functionalities and ensuring high performance along with React in frontend.

ACHIEVEMENTS & ACTIVITIES

- Achieved the First Runner-Up position in the Smart India Hackathon (SIH-2020), hosted by the Indian government, for developing a robotic solution to address agricultural challenges.
- Secured the Second Runner-Up position in the SCET Hackathon by creating a river monitoring system.
- Served as Public Relations Officer and Web Master for the Rotaract Club (affiliated with Rotary International).
- Volunteered with "Cybage Khushboo" to support the education of underprivileged communities.