

Vinayak Abhinav Rupanagunta

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WORK EXPERIENCE

ICOM AI | Implementation Co-op

Sept 2023- Dec 2023

- Collaborated closely with the development team to implement robust and scalable features for a bot called KAI, contributing to both the front-end and back-end development.
Implemented various features using **React**, ensuring an engaging and seamless experience interacting with the bot.
- Developed and maintained **RESTful APIs using Node JS** to facilitate efficient communication between the chatbot and **MongoDB database**, ensuring real-time data retrieval and updates
- Assisted in optimizing the existing features contributing to the security and personalized experience of the application.
- Actively participated in Agile development methodologies to ensure effective collaboration and timely project delivery

CGI | Associate Software Engineer

Sept 2020-July 2022

- Designed and developed **REST Microservice applications with Spring Boot** for Bell Telecom Canada to align with industry trends.
- Enhanced **team productivity by 20%** through application optimization, improving overall efficiency and workflow.
- Deployed and tested REST applications across various environments, conducting regression testing to ensure smooth production operation.
- Implemented comprehensive test cases reducing production anomalies by 25% and ensuring code execution integrity.
- Utilized **React, Spring Boot, OpenShift, Jenkins Kafka, and Kibana** for application development, deployment, and monitoring, following Agile methodologies and maintaining up-to-date technical documentation for client clarity and team onboarding.

TECHNICAL SKILLS

- Programming languages:** Java, J2EE, C, C++, Python, JavaScript, NodeJS, TypeScript, HTML, CSS.
- Database:** SQL, PostgreSQL, MySQL, SQL Server, Oracle, RDS, NoSQL, MongoDB, DynamoDB, GCP Firestore.
- Frameworks/Libraries:** Express.js, React, Spring Boot, Spring MVC, Hibernate, Angular, Material UI, Bootstrap, jQuery, REST APIs web APIs/services, Chai & Mocha Testing Framework, Jest, Junit, Mockito.
- Process Knowledge:** Object Oriented Programming, Agile Methodology, Software Development Lifecycle (SDLC), Test Driven Development (TDD), Design Patterns, Code Refactoring, MVC architecture
- Software Tools:** Visual Studio Code, IntelliJ IDEA, Eclipse, MS Office Applications, Git, GitLab, GitHub, Maven, Postman, Figma, SVN, TortoiseSVN, pgAdmin.
- Cloud Technologies:** Docker, S3, AWS Lambda, APIGateway, EC2, Elastic Beanstalk, Lex, SQS, SNS, VPC, CloudFormation, EventBridge, CloudWatch, Identity and Access Management (IAM), Google Cloud Functions, Google CloudRun, Artifact Registry

ACADEMIC PROJECTS

Trivia Games [TG](#) (May 2023-August 2023): -

- Description:** - online trivia game that allows users to form teams, compete against other teams in real-time, and track their progress on global and category-specific leaderboards. The game will provide a personalized experience by adapting to users' preferences and offering a diverse mix of questions tailored to their interests and skill levels
- Technologies Used:** - AWS Lambda, SQS, SNS, DynamoDB, ApiGateway, Google cloud Functions, Google cloud run, LookerStudio, React, Python

Dalplex Sports Society Website [DAL](#) (Jan 2023- April 2023): -

- Description:** - This is a website for the Dalplex fitness center of Dalhousie University. This website is an upgrade for the existing dalplex website to give better user experience. The users can book courts for themselves to play a game of tennis, badminton and various sports offered at dalplex. Also, they would be aware of all the events and activities happening at Dalplex
- Technologies used:** - AngularJS, ExpressJS, MongoDB, Netlify, Render

EDUCATION

- Masters in Applied Computer Science, Dalhousie University** Sept 2022 - Dec 2023
- Bachelors Of Technology, Gitam University** June 2016 – June 2020

CERTIFICATIONS

- AWS Certified Cloud Practitioner:** - Amazon Web Services
- Angular-Java Spring Full Stack:** - StackRoute NIIT India