

NIVASH SUDALAIMANI

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CAREER SUMMARY

Full Stack Developer adept in developing Angular and React based web applications, strong in front-end and back-end technologies. 3 years of professional development experience in London Stock Exchange Group leveraging the following tech stacks –

- Frontend – React, Angular, JavaScript
- Backend – Node.js, .Net
- Database – MySQL

EDUCATION

National University of Singapore

Aug 2023 – Dec 2024

- Master of Computing (MComp) in Computer Science, General Track (CGPA: 4.21/5.00).
- Coursework - Data Structures and Algorithms, Software Development Fundamentals (Python), Enterprise Systems Architecture Fundamentals, Artificial Intelligence, Data Analytics, Big Data Systems for Data Science.

Vellore Institute of Technology, Vellore

Jul 2016 - Sep 2020

- B. Tech in Electronics and Communication Engineering (CGPA: 8.54/10.00).
- Coursework - Object Oriented Programming, Java Programming, Computer Communication, Computer Organization and Architectures, Statistics, Linear Algebra, Neural Networks.

SKILLS AND LANGUAGES

- Programming Languages: Python, JavaScript, Java
- Development Frameworks: React, React Native, Expo, GraphQL, Angular, .Net, Node.js, Nest.js
- Databases: SQL, MySQL, MongoDB
- Tools: Git, GitLab, Jenkins, Jira, SonarQube, Postman, Prisma
- Languages: Fluent in English, Hindi, Tamil and Telugu

WORK EXPERIENCE

Software Engineer Intern

May 2024 – Sep 2024

Mind Stretcher Education

Singapore

- Contributed to full-stack mobile development using React Native with Expo (front-end), NestJS (back-end), and Prisma (ORM) with PostgreSQL.
- Developed key UI features including homepage, class details, and user profile selection for the MindStretcher mobile app.
- Designed and implemented RESTful APIs using NestJS, including a health check endpoint and a Topics API that retrieves data based on course codes and other parameters.
- Implemented authentication system using Auth0 tokens and created protected routes with NestJS guards.
- Optimized app performance for older devices by implementing efficient rendering techniques using FlatList and reducing renders.
- Integrated push notifications functionality for the MindStretcher mobile app using Expo.
- Created a custom data management script to populate database from CSV files, improving data handling efficiency.

Software Engineer**Aug 2020 - Jul 2023**

London Stock Exchange Group (Refinitiv)

India

- Developed and maintained multiple web applications using Angular 9/10, JavaScript and .Net.
- Created reusable components in Angular and services that improved code efficiency by 20%.
- Led the deployment of multiple web applications for product releases in LSEG workspace application.
- Enhanced the user experience of web applications by adding features like pagination, export/import to Excel and user authentication using JSON Web Tokens (JWT).
- Provided unit test cases for angular web applications using the Jasmine testing framework and increased the code coverage of testing by 50%.
- Authored code fixes and enhancements for inclusion in future code releases and patches.
- Provided bug fixes for multiple diagnostic issues to enhance the quality of product and time execution.
- Collaborated with Quality Analysts to ensure that the application was thoroughly tested and free of defects.
- Communicated with the Product Owner about new features to be introduced over multiple sprints and resolved issues (if any) with features to be developed.
- Mentored trainee developers and conducted code reviews, improving code quality and knowledge sharing across the team.

PROJECTS**Full Stack Developer****Oct 2021 - Jul 2023**

House Views and Market Insights Web Application

- Developed a real-time web application for implementing a Content Management System facilitating distribution of the bank's proprietary investment information to revamp and secure the advisory process and was also a platform for sharing investment ideas and conviction lists.
- Angular 10, RxJS and NgRx was used for the front-end development of the web application, .NET and Windows Communication Foundation (WCF) was utilized for building back-end APIs (Application Programming Interfaces) and MySQL for database management.

Front End Developer**Jan 2021 - Sep 2021**

Refinitiv Securitized Derivatives

- Developed a web application for users to access securitized derivatives, certificates and warrants that are available on the Stuttgart (EUWAX), Frankfurt, Vienna and SIX (Swiss) exchanges.
- Implemented various functionalities and layouts like Screener for searching instruments, Comparison pages for instruments with charts and grids in Element Framework control (ELF) and export to Excel/CSV for instrument data.
- Implemented filters, search functionalities to display the most precise market data and integrated the application with other applications in Refinitiv workspace like news and price chart.

ACHIEVEMENTS AND AWARDS

- Published a research paper in IJITEE on Advantages of Spectrally Efficient Frequency Division Multiplexing.
- Received Academic Scholarship for Bachelor's degree in VIT for performing well in the entrance examination.
- Secured second position in Band competition held for all schools in India - Trumpeter, 2014.