NIVASH SUDALAIMANI

Email: s.nivash24@gmail.com   Mobile: +91 7032234400   Portfolio: Nivash.live

CAREER SUMMARY

Recent graduate with a Master of Computing from the National University of Singapore, actively seeking full-time opportunities in full stack software development.

A passionate full stack developer with **3 years** of professional experience at the London Stock Exchange Group, specializing in building scalable web applications using modern frameworks. Skilled in both front-end and back-end development leveraging the following tech stack -

- Frontend – React, Angular, JavaScript
- Backend –Node js, .NET Core
- Database – PostgreSQL

Strengths: *Energetic, Fast learner, Strong problem-solving abilities, High Collaboration, Strong Accountability, Agile model worker, Analytical Troubleshooting, Effective communication*

EDUCATION

National University of Singapore   **Aug 2023 – Jan 2025**

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, Stream Processing, Big Data Systems for Data Science.

Skills acquired: Python, React.js, PostgreSQL, GraphQL, Node, Express, MongoDB, Machine Learning (sklearn, pandas, numpy, streamlit, geopandas, matplotlib, seaborn, keras), Big Data (Hadoop MapReduce, Spark), AWS, Docker, Kubernetes, Stream Processing (Kafka, Flink),

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

- Programming Languages: Python, JavaScript, Java, C#
- Development Frameworks: React, React Native, Expo, GraphQL, Angular, .Net, Node.js, NestJS
- Databases: SQL, MySQL, MongoDB
- Tools: Git, GitLab, Jenkins, Jira, SonarQube, JMeter, Postman, Prisma, Figma
- Cloud & DevOps: AWS, Docker, Kubernetes

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, such as health check endpoint and an API endpoint to retrieve topic data based on course codes and other parameters.

- 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 Notifications.
- Created a custom data management script to populate database from CSV files, improving data handling efficiency.

Skills acquired: NextJS, NestJS, React Native, Python, Prisma, OAuth, Expo, Digital Ocean (for deployment)

Software Engineer   **Aug 2020 - Jul 2023**
London Stock Exchange Group (Refinitiv)   India
- Developed and maintained multiple web applications using Angular 12, JavaScript and .Net core.
- 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.
- Implemented various functionalities such as filters and layouts for searching instruments (financial documents), Comparison pages for instruments with charts and grids in Element Framework control (ELF) and export to Excel/CSV for instrument data.
- 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.
- Mentored trainee developers and conducted code reviews, improving code quality and knowledge sharing across the team.

Skills acquired: Angular, React.js, .NET Core, Node.js, SQL, GitLab, Postman, OAuth, NPM, Typescript, ESLint, Webpack, REST, SOAP, Swagger, HTML, CSS, AWS, Docker, Jenkins, SonarQube, Jira

PROJECTS

Tripster   **Feb 2024 - May 2024**
A travel planning web app for explorers with integrated google maps and AI-powered itinerary generation
- Developed an intuitive platform that helps global travelers discover places of interest and generate customized travel itineraries.
- Visualized custom itinerary locations on Google Maps with filters and drag-and-drop activity reordering.
- Implemented Google-based authentication via OAuth to enable secure and seamless user login
- Integrated with external APIs (TripAdvisor, Foursquare, OpenWeatherMap, Google Maps) for personalized suggestions on restaurants, tourist attractions and weather-based travel planning.
- Incorporated GPT-3.5 Turbo (OpenAI API) to assist users in to assist users by generating personalized itineraries based on user input and preferences.

Skills acquired: React.js, Node.js, Express.js, Axios, GraphQL, MongoDB, Google Maps API, OAuth 2.0, OpenAI API, Foursquare API, Travel Advisor API, Google Authentication, AWS, Docker, Git

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.