TARANVEER SINGH

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EDUCATION

Western Governors University   Salt Lake City, Utah
BSc Computer Science
Delhi University   Delhi
BA(H) Business Economics

SKILLS

Web Development – Javascript, TypeScript, React, Node.js, HTML, CSS
Backend Development – API Design, C# .NET, REST API, SQL
Cloud & Devops - AWS, Git, CircleCI
Testing – Jest, Mocha, Cypress
Tools - SQL Server, Python, JIRA, Agile development methodologies.

CERTIFICATIONS

AWS Solutions Architect | AWS Developer Associate | ITIL | Linux Essentials

WORK EXPERIENCE

PanPalz (Non-Profit)
Backend Software Developer   Sep 2024 – Present
- Implemented the API services for a networking web application using Node, Express and SQL.
- Designed and implemented the global error handling for the API endpoints using middleware functions.

RBC Direct Investing   Nov 2021 - Feb 2023
Investment Service Representative
- De-escalated situations and simplified complex financial concepts to boost client understanding.
- Maintained compliance with regulatory requirements by completing new financial certifications timely.

PROJECTS

Turbo Tickets (Solo Project) 🔗   **Multi tenant issue tracker built with C# .NET MVC**
C# .NET MVC, PostgresQL, LINQ, Bootstrap
- Used .NET Identity to add authentication and role-based authorization.
- Used dependency injections to enable loose coupling.

S&P 500 Predictor - Machine Learning (Solo Project) 🔗   **Stock price prediction app built with Python**
Python, Jupyter Notebooks, Matplotlib, Scikit, Numpy, IPyWidgets
- Imported daily prices of the S&P 500 for the last 10 years from a Kaggle dataset.
- Engineered features from price data such as Moving Averages.
- Used machine learning to train different models on 80% of the dataset and tested them on 20% of the dataset.

Above Average (Solo Project) 🔗   **Stocks ranking app built with React and REST API**
React, Cypress, Express, ChartJS, REST API
- Setup a proxy API server to protect the API key from being exposed in network requests.
- Added in-memory server caching to save $25/month.

Everuse (Group Project) 🔗   **Product listing app built with React and GraphQL**
React, CircleCI, SASS, Cypress, GraphQL
- Integrated CI with CircleCI and CD with Vercel to follow the best deployment practices.
- Implemented end-to-end testing with Cypress to enhance application reliability.