Richard Tumaneng

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EDUCATION

San Jose State University **December 2022**
B.S Software Engineering *San Jose, CA*

TECHNICAL SKILLS

- **Languages:** Java; JavaScript; Python; HTML; CSS; Solidity; TypeScript;
- **Frameworks and Databases:** MySQL; ReactJS; Google Kubernetes Engine; Docker; SpringBoot; Truffle; Express
- **Tools:** Git; NodeJS; VS Code; Google Cloud Console; Google Kubernetes Engine; Docker; Vite; Restful APIs; Adobe Creative Cloud; WordPress; Search Engine Optimization (SEO); Amazon Web Services; Ganache; Remix; Hardhat; Linux
- **Skills:** Machine Learning/Artificial Intelligence; Agile; Scrum; Software Testing; B2B; CI/CD

WORK EXPERIENCE & PROJECTS

San Jose State H&A Marketing **Jul 2019 – Dec 2022**
Web Developer *San Jose, CA*
- Worked in San Jose State's Humanities and Arts Marketing team and worked with the H&A Department and Hammer Theatre in the creation of websites and other web-based projects
- Maintained websites under the Humanities and Arts department of San Jose State University
- Worked with live and staging environments for Hammer Theatre's website to ensure a complete and functional website which produced exceptional SEO and increased overall site usability.
- Collaborated alongside Project Managers, Graphic Designers, and other Software Engineers to develop websites, blogs, and many other projects to improve user engagement by 40%.

Block Locale **Jan 2022 – Present**
Software Engineer *San Jose, CA*
- Block Locale is a DApp (Decentralized Application) built with the purpose of being a Voting/Election application built on top of the Ethereum Blockchain.
- Constructed the entire project with JavaScript, HTML, and CSS. The ReactJS library was also used in the project to build the frontend in addition to NodeJS which was used to install the dependencies.
- Wrote smart contracts using Solidity which was used to create the backend of the application. Remix was used to test the smart contracts as well as using Truffle and Ganache.
- Improved the security and reliability of polling due to the decentralized nature and usage of the blockchain in the application which allows for a secure & immutable voting system and reduces election fraud by 100%.

Online Manga Store **Aug 2021 – Dec 2021**
Software Engineer *San Jose, CA*
- Built a full-stack web application for an online manga store in which Spring Boot was used as the framework and Gradle as the building tool.
- Used Angular, CSS, and HTML to create a responsive front end.
- Composed with Docker and built the application in conjunction with a MySQL Database and an HAProxy load balancer which was used to load balance on Google Cloud Platform.
- Deployed the web application to Google Cloud using Google's Kubernetes Engine and deploying the workload, service, and ingress pods there.
- Utilized load balancers to handle heavy traffic and reduce website congestion by 50%.

AI Chat   **Dec 2022 – Present**

Full Stack Developer   *San Jose, CA*
- Developed the front-end and back-end of a chatbot application that utilized OpenAI's GPT-3 language model API using Javascript, HTML, and CSS to create the client side front-end.
- Improved build time of production by 10x the usual speed by utilizing ViteJS to build the application when compared to Webpack.
- Created the backend server with NodeJS and ExpressJS to connect the client to the user and to utilize OpenAI's API.
- Deployed the backend server through Render and connected to the front end using Vercel.

Dawoodi Language Project Website   **Oct 2021 – Jan 2022**

Freelance Web Developer   *San Jose, CA*
- Created and designed a Dawoodi Language Project website issued by San Jose State University's Linguistics department..
- Assembled the website using OmniCMS, HTML, and PHP.
- Improved the website's SEO and allows the website to be found as the **first** option on google search using the keywords "Dawoodi language" and **first** if using the keywords "Dawoodi language project" showing great SEO.

Crime Spot   **Aug 2019 – Dec 2019**

Software Engineer   *San Jose, CA*
- Collaborated with a team to create an application that used Santa Clara County's crime reports API & Google Maps' API to create a local crime safety Android application.
- The frontend was built using Tailwind CSS and HTML along with React Native.
- Produced a heatmap of the crime density around the area of Santa Clara County by connecting the server side to the crime report API using NodeJS.
- Ran the server using Amazon Web Services to allow for easy scalability and modularity and used PostgreSQL as our database.