

Sirasit Punnanithi

Software Engineer

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TECHNICAL SKILLS

Programming Languages | Python 3, JavaScript ES6+, TypeScript, HTML, CSS, SQL
Front-End | React, React Hooks, Redux Toolkit, Bootstrap, Tailwind, DOM manipulation, Websockets
Back-End | Django 4, FastAPI, PostgreSQL, MongoDB, RabbitMQ, Apache Kafka, JSON Web Token
System Design | Monoliths, Microservices, Object-oriented programming, Unit testing, Continuous Integration/Continuous Delivery (CI/CD), Docker, Agile methodologies, RESTful APIs, Git

APPLICATION DEVELOPMENT EXPERIENCE

- PlayBoxx** | gitlab.com/playboxx/play-boxx 2023
Browser game application | Full-stack software engineer
- Instituted a robust user authentication using JWTdown library and Redux to enable secure user access and prevent unauthorized use which improves overall security and user experience.
 - Collaborated with a cross-functional team to integrate a third-party Trivia API into a quiz game resulting in an entertaining and engaging user experience.
 - Successfully deployed the application frontend on GitLab Pages and backend on CapRover, allowing users to quickly access the application with the correct URL from the web.
- Cartropolis** | gitlab.com/spunnanithi/cartropolis 2023
Car dealership application | Full-stack software engineer
- Integrated data sharing between two microservices by introducing data polling to reliably communicate data while building a RESTful microservice API.
 - Created endpoints for a RESTful Django microservice API to communicate with the front-end to effectively transfer data between the front-end and back-end.
 - Enhanced user experience by integrating React to build a fast and responsive single-page application for increased user interactability.
- Conference GO** | gitlab.com/spunnanithi/conference-go 2023
Conference management application | Full-stack software engineer
- Incorporated weather information and location-based picture through use of third-party APIs to provide users the ability to access the weather and picture of each specific conference location.
 - Refactored the code by modifying the Django view functions to ensure other developers can contribute to the application following the RESTful API convention.
 - Introduced Docker by creating Dockerfiles to allow developers to test and deploy the application.

PROFESSIONAL EXPERIENCE

- Academic Dermatology of Nevada** | Medical Assistant, *Las Vegas, NV* 2021-2022
- Educated 25-30 patients daily by clearly and effectively explaining complex medical information to ensure patient has a clear understanding of their conditions and treatment plans.
 - Assisted physicians during surgeries to enhance patient outcomes through various tasks such as preparing instruments, maintaining a sterile environment and providing support during procedures.

EDUCATION

- Hack Reactor** | Advanced Software Engineering Certificate 2023
EMS Training Center of Southern Nevada | Emergency Medical Technician Certificate 2021
University of Nevada, Reno | Bachelor of Science: Community Health Sciences: Kinesiology 2019