

Tue Nguyen

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SKILLS

Programming: Javascript, Typescript, Node.js, React, Redux, Angular, Ionic, C++, Python, Java

Database: Postgres, Redis, Firebase, MongoDB,

DevOps: Git/GitHub, Docker, AWS, Nginx

Others: Scrum Agile, Figma, Jira, Software testing, SDLC

PROFESSIONAL EXPERIENCE

Technology Intern

May 2022 – September 2022

Monsters Aliens Robots Zombies (MARZ) VFX

- Implemented unit tests creation command line tool using Click and Python's Abstract Syntax Tree
- Built multiple forms using PyQt to ensure correct data flow in pipeline
- Worked extensively on specialized data structure/architecture that interacts greatly with internal file system and wrote tests on it
- Helped refactor Shotgun database CRUD controllers and code portions that did not follow good practices
- Wrote small code interacting with DCC applications (Maya, Houdini)

Student Developer

January 2022 – May 2022

Seneca's Centre for Development of Open Technology (CDOT)

- Maintained open-source project Telescope by managing issues, pull requests and milestones
- Ported monolithic backend parsing RSS to a microservice, refactored to objects to talk to Supabase database, wrote unit tests and new end to end tests using Jest
- Utilized Bull's queue to display information on jobs interacting with Redis database
- Worked on app's mobile view using Next.js and fixed minor Docker issues

PERSONAL PROJECTS

Charisma – ETHGlobal Hackathon Winner

[Hackathon](#) | [Demo](#)

[Next.js](#), [FastAPI](#), [OpenseaAPI](#)

- Helped build Next.js front-end using pure CSS and Web3.js for wallet connectivity
- Helped create server's controllers calling multiple APIs and process data returned to wallet's personality result
- Implemented small authentication system using Discord OAuth2

SplitWise – Web application that does bill splitting

[Github](#) | [Demo](#)

[React](#), [Firebase](#), [Material-UI](#), [Docker](#), [Nginx](#), [AWS](#), [Express](#), [Typescript](#), [GitHub Actions](#), [WebSocket](#)

- A monorepo with React as front-end and Express server using Typescript and Firebase
- Application has defined development vs production environments configured by Docker, Docker-compose, Nginx
- There are CI/CD workflows using GitHub actions that check for code format (will add more for tests/lint/lock-file) on pull requests and deploy programatically to Dockerhub and AWS Beanstalk Docker platform

Eventure – Mobile application that focuses on events

[Demo](#) | [Youtube](#)

[Angular Ionic](#), [Firebase](#), [ElasticSearch](#), [TomTomAPI](#)

- A cross-platform mobile application on organizing and attending events at various locations
- Front-end framework is Ionic/Angular, Firebase is used for database and authentication, ElasticSearch for searching for events and users
- TomTomAPI (currently deprecated) as location API that returns location details based on different search queries(current location, name, postal code)

EDUCATION

Honours Bachelor of Technology – Software Development
Seneca College (Toronto, Ontario) – GPA: 3.9/4

September 2019 – September 2023