ERIC KIEFER

Full Stack Software Developer

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Education

Software Engineering, BESc.
Western University / 2017 – 2021
Achieved a 3.9 GPA each year in competitive and evolving software engineering program

- Ontario Professional Engineers Foundation Entrance Scholarship
- Dean's Honor List (X4)

Skills

Frontend
HTML, CSS, Bootstrap, JS, TS, React, Redux, React Native, Angular, Expo, UI/UX Design

Backend
Node.js, Django, Django Channels, Express, Passport, JWT, Knox, Socket.io, Net sockets

Database
MongoDB, MySQL, SQLite, Redis, Trino, Impala, Apache Hadoop

Testing
Mocha and Chai, Mockgoose, Jest, Junit, Django API unit testing

Deployment
NGINX, Gunicorn (WSGI), Uvicorn (ASGI), Docker, Docker-Compose, GitLab CI, Kubernetes, OpenStack

Other
Linux, C, C#, C++, Java, Python, Unity, Git, GitHub, GitLab, Jira, Agile, Scrum, Documentation

SUMMARY

Passionate software developer with 3 years of diversified full stack development experience that is seeking to apply acquired skills in a position developing web or mobile applications.

WORK EXPERIENCE

Specialist, Software Developer
Bell Canada / 2021 – Present

- Developed internal web applications for Bell's wireline and wireless supply chains that generated significant savings and improved the daily workflows of 100+ employees
- Independently engineered the infrastructure for the full stack website on the company's virtual private cloud, implemented CI/CD, and automated data ingestion batch jobs from data lake sources
- Developed extremely customizable views of supply chain key performance indicators that instantly summarized millions of rows of data
- Created Kanban boards that presented data ingested from SAP in an organized manner for network planners and analysts to action in real-time
- Conducted code reviews and approved merge requests for two other software developers that I managed on my team

Head Counselor
Bit by Bit Computer Science Camp / 2019

- Created engaging lessons for the campers in HTML, CSS, JavaScript, Unity/C#, Python, NXT Robotics, Scratch, and Adobe Photoshop
- Provided preparations for the camp such as hiring counselors/volunteers, ordering t-shirts, and imaging computer labs

PROJECTS

KnowYourCourse
Angular, Node.js, MongoDB / 2021

- Worked in a group of four to develop a full stack web application that streamlines the course selection process for students
- Took on a leading role in developing the backend APIs for the site, and designed effective unit tests to ensure the site performed as intended

Aquamonitor
React Native, Expo, Node.js, MongoDB / 2020

- Created a mobile application that alerts users when water quality parameters recorded using waterproof sensors connected to an ESP32 become unsafe
- Developed and tested features such as live monitoring, push notifications, analytics, water parameter settings, hardware connection, dark mode, and language selection

PlantManager
React, Django, MySQL / 2019

- Reduced the downtime of automated industrial machinery by creating live monitoring and analytics applications with socket programming and data streamed from PLCs
- Learnt the importance of building modular components in a frontend framework, along with using state management software like Redux in order to create intricate and complex views