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

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

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

Other
SSO, RPA, SAP ERP, SAP scripting, Linux, C, C#, C++, Java, Python, Unity, Git, GitHub, GitLab, Jira, Agile, Scrum, Documentation

SUMMARY

Passionate full stack software developer with 6 years of experience designing scalable internal tools and automation. Skilled in optimizing supply chain systems, leading development teams, and driving measurable results. Seeking to leverage technical expertise and leadership abilities in a senior software development role.

WORK EXPERIENCE

Software Developer II
Bell Canada / 2021 – Present
- Developed internal web applications for the network supply chain generating significant cost savings and improving daily workflows for over 1,000 employees
- Engineered infrastructure for web platforms hosted on the company's private OpenStack cloud; implemented CI/CD pipelines and automated data ingestion from a data lake and SAP ERP using SAP scripting RPA automation
- Built SAP scripting RPA automations for purchasing, generating over $100M in stock purchase orders and dramatically improving procurement efficiency and data accuracy
- Created SAP scripting RPA solutions for Master Data functions including SKU and vendor creation, contract updates, info record management, and plant extensions
- Designed highly customizable dashboards that transformed millions of rows of supply chain data into actionable KPIs
- Conducted code reviews and approved merge requests, mentoring and leading developers on my team

Head Counsellor
Bit by Bit Computer Science Camp at Western University / 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, designing and ordering t-shirts, and imaging computer labs

PROJECTS

KnowYourCourse
Angular, Node.js, MongoDB / 2021
- Developed a full stack web application to streamline course selection for students, leading backend API development and test automation

Aquamonitor
React Native, Expo, Node.js, MongoDB / 2020
- Built a mobile app to monitor water quality using ESP32 sensors, with real-time alerts, push notifications, and analytics dashboard features

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