Kevin Leitch

 linkedin.com/in/kevinrleitch
 github.com/krleitch

 416-420-1792
 krleitch.ca@gmail.com

Summary of Skills

Languages: C++, C, Python, JavaScript & TypeScript, Elixir, Java, OCaml, Racket, Scala, HTML & CSS / SASS

Technologies: React, Svelte, Angular2+, Next.js, React Native, AngularJs, Phoenix, RxJS, Redux, Node.js, Express, MySql, Postgres, MongoDB, Redis, Nginx, Spring, Flask, Play, Jest, Playwright, Selenium, RabbitMQ, Netflix Zuul

Dev Tools: Git, Docker, Kubernetes, Ansible, Vagrant, AWS (Lambda, EC2, S3, ECR, RDS, SES...), Jenkins, Github Actions, Prometheus, Jira, Agile Methodologies, RESTful API, GraphQL

Work Experience

Zola - Software Developer
New York, Sept 2019 - Dec 2019

- Setup centralized deployment with web interface for production and development environments using Ansible AWX allowing for queueing, parallel builds, and additional logging. This resulted in no more blocked deployments saving every dev many minutes on daily deploys.

- Designed content management system with react front end for creating targeted user sign up questionnaires for all new users on zola.com. This let marketing easily update and manage questions allowing them to quickly find which questions are more useful while measuring user engagement and retention.

- Used Stripe API to remember payment details in accordance with security and data laws allowing for faster checkouts and a better user experience.

Ultimate Software - Software Developer
Toronto, Jan 2019 - Apr 2019

- Implemented a gateway using Netflix Zuul for dynamic routing between product services, resulting in decreased server loads and optimizing performance across shards.

- Implemented multi-level caching scheme for multiple applications comparing Redis vs EhCache. Compared performance and memory usage in creating a detailed document displaying trade-offs which resulted in Redis being selected.

- Created large set of unit and integration tests using Spring MVC Testing framework for old untested code. Designed a new test suite plan required for all future code to help achieve 100% code test coverage.

Sony - Software Developer
Waterloo, May 2018 - Aug 2018

- Worked on experimental technology app for private customer from the starting design phase, to the first implementation, and interacting with product testers and customers to iterate on design decisions.

- After dealing with slow processing speeds due to unchangeable hardware limitations, designed and pitched idea on how to offload processing to a centralized server which were ultimately accepted and fixed bottlenecks.

Microdea - Full Stack Developer
Markham, Sept 2017 - Dec 2017

- Redesigned entire website from old Java Play framework monolith to highly readable Angular2+ modularized code base. This drastically increased performance on document editing which customers expressed extreme satisfaction with.

Imagine Communications - Full Stack & QA
Waterloo, Jan 2017 - Apr 2017 & May 2016 - Aug 2016

- Took proof of concept video sports web casting replay system and created web application with AngularJs which was presented at NAB 2017 trade show.

- Created an automated test suite for media workflow ecosystem, speeding up quality assurance work drastically with new regression tests automated to run nightly since testing was a long often overnight process.

Projects

Spot: Social Media Web App - github.com/krleitch/spot
Jan 2020 - Aug 2022

About: Location based anonymous social media board with chat you can share with friends in secret.

- Angular13 w/ NgRx web app. Node.js w/ Express API. Elixir w/ Phoenix channels for chat websockets. Postgres & Redis w/ PostGis for location queries. Facebook & Google API for OAuth. Tensorflow for image classification. Deployed on AWS with Github actions pipelines.

Play-With-Me: Guitar backing track manager - ⓖ github.com/krleitch/play-with-me *Oct 2024*

About: Group and manage your backing tracks with tags for sorting and timestamps for easy playback.

- Svelte 5, Youtube API, Pocketbase.

WhatsTheHype: Stock Vs Subreddit Mentions - ⓖ github.com/krleitch/WhatsTheHype *Jan 2021*

About: Compare the performance of a stock to how many times the ticker is mentioned on any subreddit.

- Python3, yFinance API, Reddit API, Pushshift API, Numpy, Pandas, matplotlib.

Education

University of Waterloo - Bachelor of Computer Science, Honours, Co-op *2015 - 2020*

Interests

Guitar, powerlifting, running, cooking, chess, basketball, hockey, tennis, hackathons, open source.