

Kate Culver

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ABOUT ME

With over 6 years of experience as a software engineer, I excel at innovative problem-solving, writing efficient readable code, and designing intuitive interfaces. I'm currently spending my spare time knitting and practicing aerial acrobatics.

EXPERIENCE

Software Developer II

D-Wave | Burnaby, BC

03/2024 - present

- ❖ Managed 60+ open-source Python repositories demonstrating research and optimization applications of quantum computing.
- ❖ Designed and developed mathematical models for optimization solutions.
- ❖ Designed intuitive GUIs to convey complex mathematical and quantum concepts to non-technical customers and stakeholders.
- ❖ Wrote quantum-hybrid solver model generators for open-source packages.

Software Engineer

Pela | Kelowna, BC

02/2020 - 12/2022

- ❖ Assumed lead developer responsibilities on replatform from GraphQL React to Shopify, mentoring developers and making technical decisions.
- ❖ Designed and built upsell funnels, sales campaigns, and user dashboards for multiple headless GraphQL TypeScript React ecommerce sites.
- ❖ Built Node.js AWS Lambdas to perform data updates and image generation utilizing S3 Buckets, Shopify Admin API, and MongoDB.
- ❖ Improved SEO and conversion rate through data informed decision-making.
- ❖ Trained and mentored junior/intermediate developers, helping establish code readability, efficiency, and best practices.

Intermediate Full Stack Developer

Cheeky Monkey Media | Kelowna, BC

10/2019 - 02/2020

- ❖ Fixed and launched React audit generator application and React store locator.
- ❖ Implemented redesign and rebuild for PHP JavaScript site.

Full Stack Software Developer

ChatterBlock | Victoria, BC

09/2017 - 08/2019

- ❖ Rebuilt customer dashboard and business listing pages using PostgreSQL, Python, JavaScript, and HTML.
- ❖ Independently designed and built web application user dashboard front-end.

EDUCATION

Bachelor of Science

University of Victoria | Victoria, BC

09/2013 - 08/2017

- ❖ Major in Mathematics – Minor in Computer Science

LANGUAGES

Python
JavaScript
React
TypeScript
Node.js
Java
C
PHP
HTML
CSS
GraphQL
PostgreSQL
SQL
R

TECHNOLOGIES

Git
Jest
AWS Lambda
S3 Bucket
CloudWatch
Gatsby
MongoDB
Google
Analytics
Insomnia
Figma
Tableau

MATH

Linear Algebra
Statistics
Cryptography
Graph Theory
Calculus