Spencer Kwok
Full Stack Software Engineer

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TECHNICAL SKILLS

Front End: Javascript, Typescript, React, Redux, Next.js, Gatsby, Graphql, Webpack, Babel, HTML, CSS

Back End: Node.js, Express, Koa, MongoDB, MySQL, Postgres, Firebase

DevOps: Kubernetes, Docker, Gitlab CI/CD, Prometheus, Grafana, NGINX, Redis, AWS, Jest, Enzyme, Puppeteer

EXPERIENCE

VPGame/LGD Gaming, Seattle — *Software Engineer*

Jan 2019 - PRESENT

VPEsports - Premier Destination for Esports News

- Redesigned React/Koa stack with Next.js server side rendering and dynamic client side routing
- Created headless React components for page layouts, schedules, and news articles of any genre

VPGame Dota2 Professional Performance/Engagement Tool

- Created interactive reusable map component that zooms, drags, and lazy loads images of different resolutions used for pinpoint accuracy of ward placement, heatmap density of wards, and tracking player movement
- Built pre-game statistic summary, real-time infographic generator, and match highlights library used by professional Esports teams globally
- Architected login microservice and user permission system for Esports teams and journalists
- Automated deploying product demos with monitoring for individual teams using Gitlab CI/CD, Kubernetes, Docker.

VPGame Dota2 Statistics - Real Time Player Statistics

- Managed global state with Redux to minimize API calls and memoise statistical analysis for charts, graphs, and tables of best performing teams, players and in-game characters

VPGame Ticketing Service - Mobile Web Application

- Designed and implemented secure checkout system for purchasing tickets to events at LGD Gaming's Esports Arena, generating over $100,000 in revenue
- Conducted end to end testing with Jest, React Testing Library and Puppeteer

Projects

Machine Learning Image Labeling System

- Built with HTML Canvas and allows users to upload images, tag coordinates of targets, and print or send data to MongoDB database

Education

University of British Columbia — *Bachelors of International Economics* 2014-2018