

Lorene Chew



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SOFTWARE ENGINEERING APPLICATIONS

Pupper • Software Engineer, Full Stack

Responsive web app where puppies match by swiping and coordinate playdates via chat

- > Utilized React Hooks and React Router to manage states and build a full stack web application
- > Designed MongoDB data structure to connect Swipe, Preference and Chat functions interactively
- > Implemented Google authentication for user security using Firebase
- > Deployed database with AWS EC2 t2.micro to ensure consistent development
- > Led daily stand-ups and sprint planning using Trello for a team of 7 engineers

Atelier API • Software Engineer, Back End

A microservice architecture RESTful API; replaced existing monolithic application

- > Simulated high traffic load using Loader.io and horizontally scaled 3 AWS EC2 micro instances behind NGINX load balancer to reduce latency by 1000% and increased RPS by 300% (500 → 2000 RPS)
- > Optimized query execution times from 7200ms to 0.5ms via column indexing and aggregate functions
- > Implemented full CRUD server operations with REST API routes

Catwalk • Software Engineer, Front End

A user interface for the Q&A widget of an e-commerce web application

- > Executed component rendering using React to leverage performance efficiency of React Virtual DOM
- > Designed Q&A wireframes and modularized component to enable users to add questions & answers, search within Q&A, and sort by helpfulness
- > Used webpack compression to optimize performance score from 20 to 65 as measured by Lighthouse

PROFESSIONAL EXPERIENCE

Salesforce • Manager, Global Incentive Compensation

September 2017 – October 2021 // San Francisco, CA

- > Managed a team of 5 analysts across SF, Indy, and Toronto to compile and distribute more than 30,000 compensation plans to 18,000 worldwide sellers
- > Built internal tool for cross functional teams to automate daily Excel exercise; saved 250 hours of manual input and reduced error rate by 95%
- > Streamlined Leave of Absence eligibility requirements with HR and Quota team; rebuilt payout calculation workbook to incorporate new guidelines
- > Established KPIs and prepared a monthly report delivered to the CFO

TECHNICAL SKILLS

Languages & Frameworks

JavaScript, React, React Native, SQL, TypeScript, Tailwind CSS, HTML/CSS

Back End Technologies

AWS (EC2), MySQL, PostgreSQL, MongoDB, NGINX, New Relic

Other Technologies

Node.js, Express, Yarn, npm, Webpack, Git/GitHub, Jest, Babel, Chrome Dev Tools, Agile/Scrum, Figma

EDUCATION

Hack Reactor

2022 // Full-Time Remote, CA
Advanced Software Engineering
Immersive

University of California, Davis

2014 // Davis, CA
Bachelor of Arts

HOBBIES & INTERESTS

- > Reformer Pilates
- > Badminton
- > Playing board games