Edmond Lee

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TECHNICAL SKILLS

- Languages: JavaScript (Proficient), Hack (Proficient), Java (Prior Experience)
- Libraries and Frameworks: React, Node.js, React Router, Relay, Redux, Bootstrap, jQuery, Jest, Enzyme
- Tools and Technologies: Git, VS Code, MySQL, Docker, GraphQL, AWS, HTML5, CSS, Webpack, Flow, ESLint, Travis CI, Redis, Trello

WORK EXPERIENCE

K2 @ Facebook, Software Engineer, Menlo Park, CA   2019 - Present
Fulfilled engineering role for Enterprise Products and Legal Tech teams

- Implemented automation for privacy response to save up to 30 hours per week of manual processing and triage for 5000+ total records
- Assisted development of an internal tool designed to migrate legal teams to an ecosystem and source of truth for 500+ legal matters
- Automated a manual process of 20+ steps to sync patent related data between Workday and Saleforce platforms from monthly to processing 1000 records daily

JourneyTEAM, Software Developer Contractor, Salinas, CA   2016 - 2018
Implemented software and electronics for agricultural applications

- Designed software and hardware components for a QR scanning system with a Raspberry Pi connecting to mobile apps through Bluetooth LE for food traceability
- Implemented the QR scanning with 75% improved speed and at 50% the cost of a competitor design with OpenCV and Python multiprocessing
- Designed front facing web apps with Django to monitor and control agricultural IoT systems

PROJECTS

HighwayVisualizer - Full-stack road system visualizer application

- Designed a React application to allow one to visualize road systems and to designate and view traveled route segments on Leaflet
- Improved query times for route coordinate data by 90% through MySQL indexing and API response caching with Redis
- Deployed application on Oracle Cloud, can be visited at https://iamtechknow.dev

Hivefunder - System design of crowdsourcing web application

- Implemented database with PostgreSQL with 10M records of campaign data and indexing to reduce query times from 10 seconds to 0.2 seconds
- Scaled microservice and proxy Node.js servers load balanced by Nginx on Amazon EC2 T2.micro instances, tripled concurrent user request rate to 1500 per second
- Improved legacy codebase with React server-side rendering and removing redundant dependencies from Webpack bundle

Wander-Lodge - Short term rental website

- Rendered a checkout widget with React bundled with CSS modules that integrates with a calendar to calculate availability and rental price
- Built test suite to unit test React components with Jest and Enzyme to achieve 80% code coverage
- Lead teammates to deliver decoupled services of the site to AWS EC2 with Docker

EDUCATION

UC Santa Cruz, *Bachelor of Science*, Computer Engineering   2016
Santa Cruz, CA

Hack Reactor, *Advanced Software Engineering Immersive Program*   2018