

Kenneth Liang

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EXPERIENCE

Full-Stack Software Engineer

Aug 2021 – Nov 2022

Twitter Inc

San Francisco, CA

- **Optimization:** Twitter Service Tech/Health Tools - Enhanced process automation, third-party integration services, Twitter user-face products, and large-scale distributed systems in an agile development environment
- **Scaling Administration Management:** Developed Ruby-based backend service featuring RESTful API, Okta single sign-on, user authentication, profile creation, auditing, and data collection, driving autonomous productivity and reduced 60% of manual tasks and ad-hoc engineering requests
- **Search and Analysis:** Knowledge Graph Data Pipeline - Designed schema, relationships between entities, metadata fields, and score functions optimizing machine learning models and user comprehension
- **Revue Newsletter Revamp:** Introduced new UI features, patched frontend services, improved editor interactivity, and programmed cross-platform content migration, leading to a 20% boost in user engagement and platform experience
- **Triage & Backend Developer:** Improved security measures and optimized workflows for Tweet annotations, query templates, Scala shell scripts, Thrift structs, unit testing, pull request review, troubleshooting build errors, and investigating bugs across evolving products
- **Tech Stack:** Scala, Ruby on Rails, JavaScript, React, Python, Apache Thrift, SQL

Senior Credit Operations Analyst

Jul 2017 – Dec 2019

LendingClub

San Francisco, CA

- **Fraud Detection:** Developed test automation scripting model that flags exploitations in finance
- **Integrations:** Utilized Third-party APIs to analyze bank transaction data, reduce loss from delinquency, and improve eligibility
- **Risk Mitigation:** Conducted in-depth analysis of loan performance data using SQL to identify underperforming areas and recommended strategies
- **SME:** Spearheaded technical support efforts as the main point of contact, managing escalated customer inquiries, evaluating bugs, and implemented improvements with Product and Engineering teams
- **Mentorship:** Led programs and quickly upskilled three cohorts at the expanded Lehi, UT office

TripShot Android Technician

Mar 2019 – Jul 2017

Google

Mountain View, CA

- **Debug:** Managed tracking software on Google devices, ensuring accurate documentation and communication for issue resolution
- **Project Planning:** Gathered functional requirements for developing technical specifications

PROJECTS

A* Pathfinder Algorithm | *Python, pygame*

2023

- Simple implementation to find the shortest distance between two nodes using A* Algorithm

Ethereum Blockchain Application | *web3, Solidity, NodeJS, Truffle, Ganache, MetaMask, Mocha, Chai*

2021

- Ethereum todo list powered by smart contracts

SeatCheck | *React, Redux, JavaScript, PostgreSQL, Ruby on Rails, AJAX, S3*

2020

- A full-stack web application with an OpenTable-inspired UX/UI

TECHNICAL SKILLS

Programming: Python, Scala, JavaScript, Ruby, Rails, TypeScript, SQL, HTML/CSS,

Technologies: React, NodeJS, MySQL, NoSQL, Flask, Django, GraphQL, jQuery, Express, Webpack, Tableau, CRM

DevOps & Cloud: CI/CD, Jenkins, AWS, Kubernetes, Docker, Google Cloud Platform

Tools: Git/GitHub, Jira, VS Code, IntelliJ IDEA, Zendesk

EDUCATION

App Academy

San Francisco, CA

Full-stack software engineering boot camp - web development and computer science

2020

San Jose State University

San Jose, CA

Bachelor of Science - Business Analytics

2016