Mitchell Chan

Software Engineer | Full Stack Developer

San Francisco/Bay Area | 408-824-0613 | mitchellkchan@gmail.com | LinkedIn | GitHub | Portfolio

TECHNICAL SKILLS

Languages: JavaScript, Ruby, HTML, CSS, SQL, Python, Java, C++
Frameworks & Libraries: React, Node.js, Express, Ruby on Rails, MongoDB, PostgreSQL
Expertise: Object Oriented Programming, Pair Programming, Test-Driven Development, GitHub, Debugging, Deployment

EXPERIENCE

Senior Cybersecurity Consultant   Oct 2020 - Jun 2023
Ernst & Young, LLP
- Configured the Azure Cosmos DB data model and Python backend integration for an automated data lineage tool
- Spearheaded the technical assessment and testing of 6 industry-leading software bill of materials (SBOM) platforms
- Managed an overseas network security operations team and improved communication with onshore leadership by conducting daily standup meetings to more effectively track action items and blockers

Cybersecurity Consultant   Sep 2018 - Oct 2020
Ernst & Young, LLP
- Oversaw the reporting and escalation of 450 user group and administrator access reviews over three fiscal quarters
- Enhanced the solution design, user guidance documentation, and application profile framework for a ServiceNow Application Portfolio Management (APM) solution deployment
- Developed a privacy-by-design framework to embed privacy protections into software development processes to adhere to General Data Protection Regulation (GDPR) requirements

PROJECTS

Discopy, *Full Stack Developer* - PostgreSQL | React.js | Ruby | Ruby on Rails | Redux.js | JavaScript   Live | GitHub
A full-stack clone of Discord, an instant messaging and VoIP social platform
- Implemented live chat capabilities with WebSockets using Rails' Action Cable framework to enable users to send and receive channel messages in real time
- Utilized ActiveRecord associations to avoid N+1 database queries and increase efficiency of backend data fetches
- Consolidated frontend state slices by nesting Redux reducers for fetched data under a single object to streamline React hook use and nested component rendering

Amateur Hour, *Full Stack Developer* - MongoDB | Express | React.js | Node.js | Redux.js | Mongoose   Live | GitHub
A platform that helps service providers find clients to gain recognition and kickstart their businesses
- Established dedicated Express routes that returned jobs by client or provider to reduce complexity of conditional rendering of front end components based on the user's association to their requested and provided jobs
- Leveraged Mongoose Schemas for maintaining consistency of documents in MongoDB and easing inclusion of associated data in back end responses to simplify filtering and sorting of services and jobs
- Ensured service integrity for providers with Redux state selectors by requiring clients to complete all jobs pending their compensation in order to request new jobs

EDUCATION

University of California, Irvine   Oct 2014 - Jun 2018
Bachelor of Science, Computer Science
App Academy, *Full Stack Development*   Jul 2023 - Nov 2023
Rigorous 16-week, 1000-hour software development course with < 3% acceptance rate