

Mitchell Chan

Software Engineer | Full Stack Developer

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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 (OOP), Data Structures, Algorithms, Git, GitHub, Render, 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