

Alexander Lee

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TECHNICAL SKILLS

Front End: Javascript (Vanilla, ES6), React, HTML/CSS, Gatsby.js, Bootstrap, MaterialUI

Back End: Node.js, Express, SQL (MySQL, PostgreSQL), MongoDB, Artillery.io, RESTful API

Miscellaneous: Git, Trello, Webpack, Docker, Google Firebase, Figma

SOFTWARE ENGINEERING APPLICATIONS

Full Stack Engineer / UI Lead | Intermingle

github.com/TeamStrawberry/strawberry

React, MaterialUI, Node.js, Express, PostgreSQL, Figma, Trello

- Developed client-side CRUD system with **React** & **MaterialUI** to save and monitor created items per user.
- Constructed universal API queries to connect **Node.js/Express** with **PostgreSQL** for other engineers to use.
- Led the design creation and page routing using **Figma** to create wireframes for layout reference.

Front-End Engineer | Catwalk: Modern retail application

github.com/Team-Emus/FEC

React, Bootstrap, MaterialUI, Jest, Enzyme, Trello

- Created **React** components to render carousel-lists of related and saved user's products.
- Designed component layout using **Bootstrap** and **MaterialUI** to create a user-friendly modal.
- Implemented testing suite, using **Jest** and **Enzyme** to ensure that components are rendering properly.
- Led stand-ups using **Trello** to develop sprint objectives and implement a ticketing system.

Back-End Engineer | Atelier: Catwalk System Design

github.com/Team-Opportunity/products

Node.js, Express, MongoDB, Artillery, RESTful API

- Atelier is the back-end service for Catwalk, implementing **RESTful API** to the server & database.
- Developed an **ETL** process to streamline millions of data from multiple CSVs into the database.
- Reworked API instances of Catwalk's legacy code to call upon a newly-created **Node.js/Express** server and access data from the Mongo database.
- Identified system bottlenecks using **Artillery.io's** stress-testing reports to prioritize high ROI optimizations.
- Improved slow read queries and indexed legacy **MongoDB** data, resulting in data retrieval within <50ms over the course of 10,000 requests on average.

EXPERIENCE

Project Coordinator | Conexcity – New York, NY

2019-2020

- Monitored and tracked project deliverables and invoices from vendors and construction contractors.
- Managed the compliance process by ordering documentation per project specifications, and submitting completed deliverables to the client's CM.

Operations Coordinator / MG Engineering D.P.C. – New York, NY

2017-2019

- Moderated 3 technicians to complete the company-wide workstation upgrade with a \$100K+ annual budget.
- Led a team of 5 to develop and implement new CRM software, expanding sales by implementing strategies to track prospects and pursue business opportunities.

EDUCATION

Hack Reactor | *Software Engineering Immersive – Remote*

2021

University at Albany, SUNY | *B.S. Information Technology – Albany, NY*

2012-2016

Relevant coursework: Programming in Informatics, Introduction to Web Development