

Jason Bugallon

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EDUCATION

University of California, Irvine

Irvine, CA

Bachelor of Science in Computer Science — GPA: 3.7/4.0

Sep. 2016 – Dec 2019

- **Honors:** Dean's List (8 quarters)
- **Relevant Courses:** Data Structures, Algorithms, Software Testing and Quality Assurance, Operating Systems, Machine Learning, Artificial Intelligence, Databases, Linear Algebra, Security

EXPERIENCE

Software Developer (Part Time)

March 2021 - Current

MyConciergeAI - KoPolo

San Francisco, CA

- In an agile development environment, develop the frontend of the KoPolo platform using React and Material UI and create and refactor endpoints of the backend RESTful API with Node.js, Express, MongoDB, and Kafka
- Coordinate with UI/UX designers to turn design prototypes from Figma to production ready, responsive web pages with React and Material UI and in the future, into a mobile app using React Native
- Wrote tests with Jest and React Testing library for the hotels, attractions, and restaurants pages and related components, resulting in finding and fixing critical bugs and improving developer experience when refactoring
- Implemented code splitting, which reduced initial bundle size and improved load times of the web app

Undergraduate Lab Tutor

January 2018 - March 2018

University of California, Irvine

Irvine, CA

- Tutored students in an intermediate C++ programming class, communicated various key programming concepts, such as inheritance and memory utilization, and guided them through challenging programming assignments
- Received a total average tutor evaluation score of 8.57, 1.14 higher than the class total tutor average of 7.43

PROJECTS

MarkdownV | Typescript, React, Next.js, SASS, Node, MongoDB, Redux, React Query

[Live](#) | [Source](#)

- Designed and developed a markdown note-taking full stack web app, that uses vim as its primary editor, with Next.js on the frontend, Next.js API Routes deployed to Vercel as serverless functions for the backend, and MongoDB for the database
- Supports full user authentication using JWT(JSONWebTokens). Comes with password encryption, forget password functionality, email validation, and third party sign in with Google and Github using OAuth2
- Optimized loading speed and SEO and enhanced user experience by utilizing Next's Static Site Generation
- Utilizes fuzzy searching with highlighting in order to allow efficient searching of notes

Next Movies | Typescript, React, Next.js, Chakra UI, SWR, Framer Motion

[Live](#) | [Source](#)

- Using data from the TMDb api, created an IMDb-like web app with Next.js and ChakraUI where users can browse and search for movies and TV shows
- Utilized static site generation (SSG) to generate all necessary and popular pages on build time, improving load times and SEO compared to generating pages on the client
- Implemented component based code splitting, significantly reducing bundle size of application and improving initial load times

Maverick | Javascript, React, Node, Express, MongoDB, Socket.io, Material UI

[Live](#) | [Source](#)

- Created a full-stack web application allowing Amazon associates to track both inbound and outbound delivery trailers easily, which was adopted by a local Amazon warehouse manager
- As a result of the increase in productivity, the manager's boss put in an order and eventually implemented an in-house version of this project

TECHNICAL SKILLS

Languages/Markup: Typescript, Javascript, HTML, SCSS/CSS, Python, Java, C++, C

Frontend: React, Next.js, Chakra UI, Material UI, Jest, React Testing Library

Backend: REST, Node, Express, MongoDB, Firebase, PostgreSQL, Socket.io

Technologies: Git, Docker, Digital Ocean, Google Cloud Platform, Amazon Web Services, Netlify, Heroku, Vercel