Jason Bugallon

1-408-476-6148 | Jasonbugallon@gmail.com | linkedin.com/in/jason-matthew-bugallon-37a046147 | jasonbugallon.com

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, Software Testing and Quality Assurance, Algorithms, Operating Systems, Machine Learning, Databases, Linear Algebra, Security

PROJECTS

MarkdownV | *Typescript, 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 JSONWebTokens. Comes with password encryption, forget password functionality, email validation, and third party sign in with Google and Github
- Optimized 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

Maverick | *Javascript, React, Node, Express, Mongodb, Socket.io, Material UI, Styled Components*   Live | Source
- Developed a full-stack web app which allowed Amazon warehouse associates to easily keep track of inbound and outbound delivery trucks
- Utilized Socket.io to implement real-time functionality
- Increased productivity significantly as the previous method was to use three whiteboards that all had to be updated manually to store the same information

Fabflix | *HTML, CSS, Javascript, Java, mySQL, AWS, Git*
- Designed and developed an IMDb-like movie full stack web application utilizing HTML, CSS, Javascript for the frontend and Tomcat Java for the backend and mySQL as the database
- Utilized an AWS EC2 Ubuntu virtual server with Apache2 to host the web application and used techniques such as separate Master/Slave mySQL databases on different instances and load balancing to scale the web application
- Supported user authentication, password encryption, user transactions, advanced searching and browsing, user sessions

React Quiz App | *React, Styled Components*
- Created a quiz app with React that serves questions of various categories by utilizing the open trivia database, a trivia question database

EXPERIENCE

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

TECHNICAL SKILLS

Languages/Markup: Typescript, Javascript, HTML, CSS, Python, Java, C++, C
Frameworks/Backend: React, Next, Node, Express, MongoDB, Firebase, PostgreSQL, MySQL
Other: Git, Github, Docker, Digital Ocean, Google Cloud Platform, Amazon Web Services, Netlify, Heroku, Vercel, Material UI, Chakra UI