# Jason Bugallon

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## EXPERIENCE

**Software Engineer** — October 2021 - Current
Lynx Software Technologies | Go, Jenkins, gRPC, OpenAPI 3.0, Shell Script, Docker — *San Jose, CA*

- Designed and developed new features for Lynx Node Management (LNM) services using Go
- Collaborated with frontend developers on designing and developing new end to end features across the frontend (Lynx Management Center) and the backend services (Lynx Node Management)
- Converted LNM backend services and clients from HTTP to HTTPs leading to a significant increase in security
- Maintained several MOSAic nodes for the usage of remote developers and for CI/CD with Jenkins, allowing more time for others to focus more on development rather than maintaining their own nodes
- Participated in redesign of LNM's over the air update feature resulting in an increase in overall user experience, reduction in documentation complexity, and about 400 lines of code deleted

**Full-stack Developer (Contract)** — May 2021 - September 2021
UL - Contract via Randstad | React, Node, MongoDB, Javscript — *Fremont, CA*

- Developed new features and fixed bugs on various web apps used internally by UL employees globally for testing. Utilized React, Redux, Ant Design, Node, MongoDB
- Rewrote test plan creation pipeline, which lowered the time it takes for a developer to create a new test plan component by 50%
- Introduced unit tests to the Express backend reducing the number of bugs and increasing branch coverage by 100%

**Software Developer** — March 2021 - May 2021
Kopolo | React, Next, Typescript — *San Francisco (Remote), CA*

- Developed the frontend of the KoPolo platform using Typescript, React, Next, Chakra UI, and React Query
- Collaborated with founders and UI/UX designers to discuss necessary features that should be in our minimum viable product, leading to many extra features being cut, thus greatly reducing development burden
- Coordinated with UI/UX designers to turn figma designs to production ready, responsive web pages with React and Chakra UI

## TECHNICAL SKILLS

**Languages/Markup**: Go, Typescript, Javascript, Python, HTML, C++, Shell Script
**Frontend**: React, Next.js, Chakra UI, Material UI, Styled Components, Jest, React Testing Library
**Backend**: REST, gRPC, OpenAPI 3.0, Node, Express, MongoDB, SQL, Websockets
**Others**: Git, Gerrit, Docker, Kubernetes, Jenkins, Confluence, Agile, Jira, Makefiles, Unix/Linux

## 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. Comes with password encryption, forget password functionality, email validation, and third party sign in with Google and Github using OAuth2

**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

## EDUCATION

**University of California, Irvine** — Irvine, CA
*Bachelor of Science in Computer Science — GPA: 3.7/4.0* — *Sep. 2016 – Dec 2019*