TOM MOOSBRUGGER
SOFTWARE ENGINEER

Bay Area, CA | tamoosbrugger@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

TECHNICAL SKILLS: JavaScript, TypeScript, React, Next.js, Redux, Python, HTML, CSS, SQL, PostgreSQL, SQLite, Flask, Node.js, Express.js, Sequelize, SQLAlchemy, Alembic, Git, AWS, Docker

RELEVANT SKILLS: Project Management, Strategic Planning, Problem Solving, Agile/Scrum, Object-Oriented Programming (OOP)

WORK EXPERIENCE

Full-Stack Software Engineering Intern *LVC Solutions*   March 2025 - Present
TypeScript · Next.js · Tailwind CSS · Firebase

- Led end-to-end payment processing implementation using the Stripe API, enabling users to make secure one-time and subscription-based payments on the platform
- Engineered robust, type-safe RESTful API endpoints to manage backend payment flows, ensuring seamless checkout session management and secure storage of customer and payment data
- Developed a reusable front-end checkout component, streamlining integration for other developers and enhancing platform consistency

Development Director *Financial Beginnings Oregon*   January 2017 - June 2023

- Project managed all grant applications, leading all project planning, monitoring, and execution; successfully delivered over 200 grant proposals, securing $2M+ in funding and doubling the organization's year-over-year revenue
- Implemented a structured reporting process, creating and adhering to a strict calendar to ensure timely delivery of critical project updates and documentation
- Collaborated with other leaders to define strategic goals and develop detailed work plans, contributing to the organization's long-term vision and success
- Designed and deployed custom Excel-based tracking systems to monitor project progress, deadlines, and key performance indicators (KPIs), enabling data-driven insights into success rates and fundraising projections

Development Manager *The Freshwater Trust*   June 2016 - December 2017

Development Associate *Fund for the Public Interest*   August 2015 - June 2016

PROJECT EXPERIENCE

tom-moosbrugger.com *TypeScript · Next.js · Tailwind CSS · React-Hook-Form · Nodemailer*   [live](#) | [github](#)

NextHire *React · Redux · HTML/CSS | Python · Flask · SQLAlchemy · Alembic · AWS S3 | PostgreSQL · SQLite3*   [live](#) | [github](#)

- Developed a full-stack website that allows users to track job applications, integrating Python/Flask backend with React frontend
- Designed a sophisticated frontend state-management system with Redux, prioritizing quick access to user data and enabling rapid updates through optimistic loading, resulting in a highly efficient and responsive user interface
- Implemented dnd-kit to enable rapid state and database updates through an intuitive drag-and-drop interface, improving user experience by enabling quick changes to the status of multiple job applications
- Developed a centralized modal management system using React Context, enabling the dynamic rendering of frontend forms and other interactive content within a consistent modal interface
- Created a secure and robust Flask API through a combination of Flask, SQLAlchemy, and raw SQL, adhering to RESTful conventions and eliminating all n + 1 queries to return user and application data in an efficient, scalable fashion

Museic *React · Redux · HTML/CSS | Python · Flask · SQLAlchemy · Alembic · AWS S3 | PostgreSQL · SQLite3*   [live](#) | [github](#)

- Developed a full-stack Spotify clone within a four-person Agile/Scrum team, independently developing assigned features, and participating in sprint planning, daily stand ups, and sprint retrospectives to ensure seamless team integration
- Utilized React wrapper components to manage data preparation for frontend forms, improving the organization of form logic and enhancing code reusability and maintainability

EDUCATION

App Academy - Full-time, immersive software engineering bootcamp, 2024-2025
Hong Kong University - Bachelor of Arts, English Literature and Philosophy, 2012