

Calvin Driesner

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Summary

Innovative Junior Software Engineer with expertise in developing dynamic web applications and backend systems. Proficient in modern technologies such as React.js, Node/Express, PostgreSQL, and AWS. Experienced in leading projects, implementing secure payment gateways, and creating responsive user interfaces. Skilled in agile development, problem-solving, and delivering maintainable, efficient solutions. Successfully launched scalable platforms with measurable impact, demonstrating adaptability in both independent and collaborative environments.

Experience

Lake Oswego Corporation | Beaverton, OR Software Contractor | 06/2023 - Present

- Rewrote member portal in React.js and Express.js, and launched it on AWS, EC2, and RDS
- Designed and implemented a new database in PostgreSQL and Sequelize
- Improved and streamlined the user's process for managing yearly registration of boats, operators, and paying fees
- Implemented a secure payment gateway with Authorize.net, ensuring users' sensitive data stays safe achieving PCI compliance
- Updated the login process to use 2FA using Twilio and SendGrid
- Created responsive webpages with Tailwind CSS

Technical Skills

Frontend Development: React.js, HTML, CSS, Tailwind CSS, JavaScript (ES6+), Three.js, Responsive Design

Backend Development: Node.js, Express.js, REST APIs, Authentication (OAuth, JWT, 2FA), PostgreSQL, SQLite, Sequelize

Cloud & DevOps: AWS (EC2, S3, RDS), Docker, CI/CD Pipelines, Linux, Bash, PM2

Tools & Technologies: Git, GitHub, Stripe, SendGrid, Twilio, Figma, Agile Development, Test-Driven Development (TDD), Debugging

Education

Full Stack Academy Software Development | 06/2023

- Intensive, immersive program covering front-end and back-end development.
- Built full-stack applications using React.js, Node.js, Express, and PostgreSQL.
- Gained hands-on experience with REST APIs, authentication, and cloud deployment.
- Collaborated in agile, team-based projects, following industry best practices.
- Developed problem-solving skills through algorithm challenges and code reviews.

Projects

FlyBuyWire.com

- Developed and launched FlyBuyWire.com, an aviation marketplace designed for aircraft buyers and sellers
- Architected the platform using React.js for the frontend and Node/Express for the backend, ensuring a seamless and intuitive user experience
- Integrated a real-time messaging system to facilitate direct communication between buyers and sellers
- Implemented features including user account management, customizable business pages, and comprehensive listing analytics
- Deployed the platform on AWS for robust scalability and reliability

FSA Capstone project

- Lead the design and development of a 3D floor planning web application written in Three.js/React Three Fiber
- Conducted daily stand-ups to collaborate with others in remote, agile-style development