

Billy Flowers

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Summary

Front-End Software Engineer with 3 years of experience building responsive, high-performance web applications. Skilled at turning ideas into accessible, user-friendly interfaces that drive engagement and business growth. Proven success delivering scalable, secure, and SEO-optimized solutions for startups and small businesses.

Experience

Software Engineer, Netflows – Modesto, CA May 2025 – Present

- Delivered end-to-end development for client projects, translating business requirements into responsive websites and full-stack applications that improved user engagement.
- Engineered more than 15 tailored digital products, including dashboards, booking systems, and workflow automation tools, improving operational efficiency and client satisfaction by up to 70%.
- Built a proprietary CRM solution that reduced annual software costs by \$500 per client, projecting \$15,000 in total savings over three years while increasing client retention and ROI.

Full Stack Software Engineer Contract, Duct Daddy – Remote Nov 2024 – Jul 2025

- Architected a full-stack content management platform using Next.js, TypeScript, Express, and MongoDB, enabling non-technical staff to manage SEO-optimized content independently.
- Increased organic traffic by 40% and reduced content publishing bottlenecks by implementing a secure, modular CMS that streamlined internal operations.
- Configured CI/CD pipelines with Heroku and Vercel to automate deployments, achieving 99.9% uptime and faster feature rollout cycles.

Software Engineer Intern, Bay Valley Tech – Modesto, CA Mar 2024 – Sep 2024

- Developed core front-end features for a social platform using React, including responsive navigation, theme toggling, and live search, improving accessibility and usability across devices.
- Implemented dynamic routing and optimized state management for seamless navigation across feeds, profiles, and posts, reducing render latency by 30%.
- Collaborated in an Agile environment through stand-ups, sprint planning, and peer code reviews, ensuring consistent progress toward milestones and maintainable code quality.

Projects

Real-time Chat Application github.com/flowz0/chat-app

- Built a scalable chat platform supporting real-time private messaging with Socket.IO and Node.js, ensuring low-latency communication and consistent performance.
- Implemented JWT authentication, bcrypt encryption, and cookie-based session handling to maintain secure and persistent user login states.
- Optimized MongoDB database structure to support concurrent connections and reliable message delivery with data integrity.

Education

Bay Valley Tech Code Academy, Computer Programming Bootcamp 2022 – 2024

- **Coursework:** Full Stack Web Development, Data Structures and Algorithms, SDLC, OOP, Agile Methodologies

Skills

JavaScript (ES6+), TypeScript, React, Next.js, Node.js, Express, MongoDB, MySQL, Tailwind CSS, HTML5, CSS3, Git, RESTful APIs, Responsive Design, Accessibility (WCAG), Performance Optimization, Agile/Scrum, CI/CD