

BILLY FLOWERS

(209) 494-2440 ◇ Modesto, CA

billylflowers@gmail.com ◇ [linkedin.com/in/billylflowers](https://www.linkedin.com/in/billylflowers) ◇ github.com/flowz0 ◇ netflows.xyz

SKILLS

Programming	JavaScript ES6+, Node.js, TypeScript, Python, CSS3, HTML5, SQL, RESTful API
Library & Frameworks	Next.js, React, Express, Tailwind CSS, Framer Motion, Redux, Vue
Tools & Platforms	Git, GitHub, CI/CD pipelines, Vercel, Heroku, Docker, AWS, Jest, NPM

EXPERIENCE

Full Stack Software Engineer	Apr 2025 - Present
Netflows Web Development	Modesto, CA

- Engineered a fully optimized, scalable web platform using Next.js, TypeScript, and Tailwind CSS, achieving 98 Web Core Vitals score through lazy-loading animations, image compression, and best coding standards.
- Developed a custom multi-step booking system with an interactive date/time picker, real-time validation, and progress tracking using React hooks and state management, resulting in a 35% increase in completed submissions.
- Automated client communication with SendGrid Email API and serverless email functions, integrating custom email templates and confirmation flows that improved lead handling efficiency by 60%.

Full Stack Software Engineer Contract	Nov 2024 - Aug 2025
Duct Daddy Duct Cleaning	Remote

- Engineered a full-stack content management platform using Next.js, TypeScript, Express, Node.js, and MongoDB, empowering non-technical staff to publish SEO-driven content and boost lead generation.
- Increased workflow efficiency by 40% through a custom admin dashboard featuring JWT authentication, bcrypt-secured logins, and cookie-based sessions for secure content management.
- Deployed a maintainable, production-ready environment with CI/CD pipelines, Heroku, and Vercel, ensuring reliability and consistent up-time for the client.

Front End Software Engineer Internship	Mar 2024 - Aug 2024
Bay Valley Tech	Modesto, CA

- Developed core front-end features for a social media platform, including a responsive navbar, dark/light theme toggle, and live user search, using React and React Router.
- Implemented routing and dynamic routing for seamless navigation between profile, settings, and feed pages, enhancing overall user experience and UI consistency.
- Collaborated in an Agile Scrum environment with front-end and back-end teams, participating in daily standups, code reviews, and sprint planning to meet development milestones on time.

PROJECTS

Real-time Chat Application	April 2025
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- Built a real-time chat application enabling instant private messaging with Socket.IO, reducing latency and improving responsiveness across sessions.
- Implemented JWT authentication, bcryptjs encryption, and cookie-based sessions for secure account creation and persistent login states.
- Designed a scalable back-end to handle concurrent connections using Node.js and MongoDB, ensuring consistent message delivery and storage integrity.

EDUCATION

Bay Valley Tech	2022 - 2024
Full Stack Software Engineering School	Modesto, CA

- Completed a Full Stack Web Development Bootcamp covering React, Node.js, Express, JavaScript, MySQL, Git, SDLC, and Agile/Scrum; earned certifications in HTML, Responsive CSS, CMS, and Asynchronous JavaScript.