

# Billy Flowers

Modesto, CA | [billylflowers@gmail.com](mailto:billylflowers@gmail.com) | +1 (209) 494-2440 | [bswe-portfolio.vercel.app](https://bswe-portfolio.vercel.app)

[linkedin.com/in/billylflowers](https://linkedin.com/in/billylflowers) | [github.com/flowz0](https://github.com/flowz0)

## Summary

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Front-End Software Engineer with 3 years of experience building scalable and accessible web solutions. Proficient in turning complex ideas into intuitive interfaces that enhance user experience and business growth. Eager to apply my full-stack expertise and problem-solving mindset within a collaborative team creating impactful products.

## Experience

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

- Developed and maintained full-stack client applications using Next.js, TypeScript, Tailwind CSS, Express, Node.js, and MongoDB, turning business requirements into responsive, production-ready web solutions.
- Built and deployed over 15 digital products including dashboards, booking systems, and automation tools, improving workflow efficiency and client satisfaction by up to 70%.
- Created a proprietary CRM that lowered third-party software costs by \$500 per client annually, saving over \$15K in projected expenses while improving retention and ROI.

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

- Designed and engineered a complete content management system using Next.js, TypeScript, Express, and MongoDB, handling front-end UI, CRUD operations, and backend data workflows.
- Delivered SEO-optimized pages and a modular dashboard that increased organic traffic by 40% and reduced content publishing time for internal staff.
- Integrated CI/CD pipelines with GitHub Actions, Heroku, and Vercel to automate testing, versioning, and deployments, maintaining 99.9% uptime and faster release cycles.

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

- Create front-end features for a social platform using React, including responsive navigation, theme toggling, and live search, improving usability across devices.
- Implemented state management and routing for seamless transitions between feeds, profiles, and posts, cutting render times by 30%.
- Collaborated in Agile sprints and peer code reviews while using ESLint, GitHub Actions, and CI/CD tools to ensure maintainable, tested, and accessible code.

## Projects

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**Lead Generation Tool** [github.com/flowz0/lead-gen](https://github.com/flowz0/lead-gen)

- Engineered a full-stack lead generation platform integrating Google Maps API to automate discovery of local businesses and prioritize those with active websites.
- Designed a responsive UI with filtering and real-time updates using Context API and React Hooks, increasing lead efficiency by 70%.
- Connected the front end to a Node.js/Express backend for data validation and retrieval, reducing query latency by 45% and improving search responsiveness.

## Education

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

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

## Skills

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