

Stephen Bilham

Software Engineer

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SKILLS

Languages: Node.js, TypeScript, JavaScript, GraphQL, SCSS, HTML5, CSS3

Frameworks/Libraries: React.js, Next.js, Express.js, Mongoose, Storybook, Bootstrap, Tailwind, Axios

State Management: Redux, Zustand, MobX

Databases: MongoDB

Testing: Jest, RSpec, React Testing Library

General: Git, Github, Postman, NPM, Figma, JIRA, SonarQube, Jenkins

WORK EXPERIENCE

CompanyA, Tech Consultancy, Irvine, CA (Remote)

Software Engineer

November 2021 – December 2023

- Member of the Vehicle API (VAPI) development team; contributed to an internal service infrastructure, primarily designed for creating, storing, and managing vehicle data for thousands of Toyota and Lexus users worldwide, while also populating multiple client websites globally.
- Collaborated across various microservices repositories, dividing the application into smaller, independently deployable services to enhance scalability and maintainability. Each dedicated to managing distinct vehicle and user data sets including: models, features, specs, accessories, disclaimers, reports, and more.
- Leveraged Reacts reusable component-based architecture and TypeScript for its type safety for frontend development, creating reusable components integrating state management solutions like MobX and Zustand to create efficient stores, eliminating prop drilling and handling complex application states.
- Used Node.js to develop scalable backend functionalities, middleware, and server logic, ensuring seamless validation, optimal performance in handling API endpoints, and efficient transformation of data.
- Contributed to the Software Development Life Cycle (SDLC) in an Agile work environment, including architecture, design, testing, team code reviews, and cross-functional collaboration with QA and Project Management teams.
- Developed a Payment Estimator feature for Toyota with Storybook and React. Utilized location-based calculators and custom algorithms to estimate new finance or lease options for customers, while accommodating special offers and deals regionally and globally.

Junior Software Engineer

November 2020 – November 2021

- Wrote unit tests with Jest increasing testing coverage within the app to a threshold of 60%+.
- Collaborated with senior developers to refactor legacy code to improve overall application and performance and maintainability, applying best practices and coding standards for optimal results.

Westgate Resorts, Orlando, FL (Remote)

June 2020 – August 2020

Front-end Engineer and Design Intern

- Employed automation tools for efficient deployment and management of email campaigns, ensuring timely client communication.

ZEAL, San Diego, CA

January 2020 – February 2020

Full-Stack Developer Intern

- Developed GraphQL endpoints for selected data fields, customizing queries and mutations to import and modify specific information into the client browser.

EDUCATION

LEARN Academy, San Diego, CA

February 2020

Full-Stack Web Development Certificate - React, Ruby on Rails, PostgreSQL (480+ hours)

University of California, San Diego, La Jolla, CA

May 2019

Bachelor of Arts — Communication