Bill Cheng

Senior Front-End Developer

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Summary

As a passionate Front-End Engineer with 7+ years of experience, I have a solid skill sets including knowledge of JavaScript, React, Redux and TypeScript. My deep understanding of front-end design principles allows me to deliver engaging and responsive user experiences. I thrive on teamwork, participating in collaborative projects with enthusiasm and a commitment to excellence. Keeping abreast of the latest technological advances, I constantly strive to improve my skills and contribute to cutting-edge developments.

Skills

Programming Languages

JavaScript, TypeScript, HTML5/CSS3, Dart, Sass/LESS, jQuery

Frameworks and Libraries

React.js, Next.js, Vue.js, Nuxt.js, Tailwind CSS, Semantic UI, Material-UI, Ant Design, Bootstrap

Tools and Platforms

Git, GitHub/GitLab/Bitbucket, Webpack, Gulp/Grunt, NPM, Yarn, Jest, Mocha/Chai, React Testing Library, Jenkins, AWS/GCP/Azure, Docker, ESLint, TSLint

State Management

Redux, Redux-Toolkit, Mobx, Context API, VueX, NgRx

Back-end Related Technologies

Node.js/Express.js, Nest.js, Python/Django, GraphQL, MySQL, PostgreSQL, MongoDB, Prisma, TypeORM, Sequelize, Storybook, Ruby on Rails

Other Skills

Debugging, Agile Methodologies, Collaboration Tools, CMS, Stripe, PayPal, HubSpot, Salesforce, Shopify, OpenAI, OCR, ChatGPT, Twilio, SendGrid, Apache Kafka, SSIS, HubSpot

Professional Experience

Devwarts   2021.05 – Present | Austin, TX

Senior Front-End Developer

- Demonstrated expertise in a diverse range of web development technologies, including React, Redux, Node.js, and Express.js. Proficiency consistently delivered high-quality prototypes and production-ready applications, reducing project timelines by 20%.
- Implementing integrations with third-party services and external APIs, introducing an enhanced approach to report generation across multiple solutions and reducing code duplication by 60%.
- Introduced TypeScript to enhance code maintainability and type safety within the codebase, resulting in an impressive 25% reduction in post-launch bugs.
- Conducted usability tests and systematically integrated user feedback to drive continuous UI/UX improvements. These efforts led to a 20% boost in user interaction.

- Implemented secure coding techniques, leading to a significant 30% decrease in potential vulnerabilities, and thereby enhancing user data protection. Used OWASP Top Ten security measures, regular security audits, and continuous monitoring.
- Integrated Tailwind CSS for consistent and efficient styling, 15% reduction in development time and maintaining a cohesive design throughout the applications.
- Building custom Javascript widgets for clients to use and implement inside of their own websites using Javascript, jQuery, and Amazon Web Services.
- Decreased 15% rework and 20% in cost through redesigning, proper documentation, testing and use of frontend libraries.
- Managed and optimized Azure data solutions including Azure Databricks, Azure Data Factory, and Azure SQL Database, with an emphasis on cloud data storage and real-time data processing using Azure Functions and Stream Analytics.
- Expertised in SQL and NoSQL database management, including SQL Server, MySQL, MongoDB, and Apache Cassandra, focusing on data modeling, security (PII/PHI), and performance optimization techniques like indexing and partitioning.
- Worked on making AJAX calls to connect the database using restful web-services and also worked on integrating the middleware to the front end.
- Automated server deployment using Terraform, Ansible and Docker container on AWS EC2 set up a local repository or feed for Nuget Repository
- Integrated Stripe into several React applications to enable secure and efficient payment processing. The process involves setting up the Stripe API, creating a payment form, handling tokens, and processing payments on the server-side.

AllBrilliance   2017.09 – 2021.05 | New York, NY
Front-End Developer
- Led the development using React, Redux, JavaScript, and TypeScript, while enforcing robust version control with Git in a notable 25% reduction in development timelines, increased efficiency and higher code quality, using Webpack, ESLint, and Babel.
- Conducted informal usability tests, actively gathering valuable feedback to drive iterative UI/UX enhancements, resulting in a 17% improvement in UI/UX and overall user satisfaction.
- Developed a highly-customizable React components that helped 10+ projects in the company improving code manageability and reusability by 30%.
- Used Higher Order Components (HOC) to make components reusable and added more functionalities to components as well.
- Utilized React Lifecycle methods at different phases to make the request, change states, increase efficiency and catch errors.
- Managed project end-to-end, reducing project cycle time by 20% in agile development while implementing CI/CD.
- Successfully revamped the front-end architecture, leveraging React.js, Redux, and micro-frontend architecture, resulting in a 40% improvement in page load speed and reduced code complexity.
- Competently developed front-end components using JavaScript/TypeScript as well as popular libraries such as Redux while integrating RESTful APIs into existing systems. The right message at the right time on the right channel mobile, or email through a coordinated, targeted campaign.
- Reduced the production Oracle database to roughly half the size (reduced by several terabytes), offloading a set of infrequently accessed data to S3 for cost savings while still supporting reads/writes for that data.
- Experience in developing REST web services supporting JSON to integrate with other external applications and 3rd party systems.
- Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
- Maintain all code in Bitbucket and having good Source code management strategies by Branch Merging, Cherry picking, Code Freeze and permissions to repositories and branches. Maintained code in bitbucket by multiple repositories with admin right and gave access to all users and allotted different user-level permissions to repos. Helping Developers to push, Merge, Tag code and other GIT and Bitbucket issues.

Education

University of California, Los Angeles (UCLA)   2011 – 2015 | Los Angeles, CA
Bachelor's Degree in Computer Science