

Albert Boyd

Software Engineer

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Summary

Experienced Software Engineer with **14 years** of expertise spanning a wide array of technologies including **HTML, CSS, JavaScript, Typescript, PHP, and SQL**. Proficient in frontend frameworks like **React, Angular, and Vue.js**, with hands-on experience in styling with **CSS preprocessors** such as **LESS and SASS**. Skilled in backend development using **Node.js, Express.js, and Laravel**, coupled with a strong understanding of database management systems like **MySQL, SQL Server, PostgreSQL, and Mongo DB**. Adept in test automation tools like **Cypress, Jest, and Puppeteer**, along with **CI/CD** pipelines using **Jenkins and Docker**. Experienced in **agile** methodologies, **SOLID** principles, and project management tools like **Jira and Trello**. Proficient in cloud services like **AWS and DigitalOcean**, and versed in **blockchain** technologies including **Solidity, Truffle, and Web3.js**. Accomplished in operating systems including **Windows, Linux/Unix, and MacOS**, with a dedication to continuous learning and staying updated with industry trends.

Skills

Front-End	JavaScript/ES6, TypeScript, SCSS, LESS, Sass, ReactJS, Redux, RxJS, React Native, Next.js, Angular 2+, Vue, D3.js, RESTful API, GraphQL, Firebase, Bootstrap, Tailwind CSS, Material UI, Ant Design, XML, SEO, Socket.io
Back-End	Node.js, Express.js, Nest.js, PHP, Laravel, WordPress, Java, C#
Databases	MySQL, PostgreSQL, MongoDB
Testing	Cucumber, Cypress, Jasmine, Jest, Enzyme, Puppeteer, Playwright
DevOps	Jenkins, Docker, Kubernetes, Git, CI/CD
SDLC	Jira, SOLID principles, Scrum, Trello, Waterfall
Cloud	AWS, DigitalOcean
Blockchain	Solidity, Truffle/Hardhat, Web3.js/Ethers.js, IPFS

Education

Strayer University | Bachelor's degree, Computer Science | May 2008 - Mar 2012

Strayer University | Master's degree, Computer Science | Apr 2012 - Aug 2017

Professional Experience

First Line Software | May 2022 – Present | Cambridge, Maryland, United States

Senior Software Engineer (React, Next.js, Web3.js)

- Developed Single Page Application using React.js and to enable navigation from one view to the next as clients performs application tasks.
- We have used debug tools like Reactotron, Redux Dev tools and Genymotion.
- Responsible for various applications built with Asp.Net, C#, Web API, HTML5, CSS3, JavaScript, Angular 15/16, and WCF components Design, Coding/Development and Testing.
- Experience in infrastructure development and operations involving AWS Cloud platforms, EC2, EBS, S3, Route 53, work Mail, Cloud Watch.
- Used Axios with React Native for making AJAX Calls.
- Used Node Package Manager (NPM) to install libraries like angular-cli, typescript etc., which are required for developing an angular application in Node.
- Worked on AWS to integrate the server side and client side code.

Altice USA | Apr 2021 – Feb 2022 | New York, United States

Full Stack Engineer

- Developing functional solutions in exchanging sensitive health records implementing Blockchain.
- Worked on Redux with React Native to handle large chunks of data for the better performance.O
- Used Middleware, Redux-thunk in application to retrieve data from Back-End and to also perform RESTFUL services.
- Integrated smart contract to the frontend using web3.js
- Created ASP.NET MVC architecture, ASP.NET Web Forms, LINQ queries and Windows Communication Foundation (WCF).

- Used Node Package Manager (NPM) to install libraries like angular-cli, typescript etc., which are required for developing an angular application in Node
- Applied redux middleware using redux-promise, redux-thunk and redux-saga.
- Enjoyed developing and extending React, Vue, and Angular projects.
- Spearheaded the development of scalable, serverless applications utilizing AWS Lamda, resulting in a 40% reduction in operational costs and a 30% increase in application performance.

Personal Project | Aug 2018– Mar 2021 | United States

Frontend Engineer

- Engineered e-commerce platform with seamless checkout and multi-vendor capabilities.
- Applied Oriented Programming techniques to track UI components being added to DOM and to change the behavior of framework methods.
- Maintaining newly developed and legacy systems mission-critical external web app applying knowledge of AWS, Apigee, Camunda and Jenkins
- Used High-Order Component to improve component reusability.
- Created and injected Spring services, Spring controllers, and DAOs to achieve dependency injection and to wire objects of business classes.

Blackthorn Vision | Mar 2017 – Jul 2018 | Lviv, Ukraine

Software Test Engineer

- Testing the functionality of the software (FT) and Regression Testing, Integrated Testing, System Testing.
- Used Babel to compile JSX, ES6 and follow JSHint standard for high code quality.
- Implemented Snapshot testing using Jest for React project along with Enzyme test utilities.
- Used High charts and D3.js for creating Graphs and implemented the filtering functionality for the graphs.
- Created dashboard and utilized D3.js for interactive data visualization.
- Worked in Agile Methodologies for incremental development to deliver better application.
- Responsible for front end development using React, Mobx, CSS, Ant design and various node modules.
- Developing Single Page Application using HTML5, CSS3, Tailwind CSS, ReactJS, Nextjs, GraphQL, Expressjs, NodeJS, Socket, LESS.
- Developed an internal application using ReactJS, Nextjs, Express, and NodeJS for Relationship Managers.
- Developing functional solutions in exchanging sensitive health records implementing Blockchain.

Raytheon Technologies | Jan 2016 – Dec 2016 | California, United States

Senior Software Engineer

- Work with the UI/UX, product owner, executive team and developers to understand the requirements and write the mobile apps using industry standard coding.
- Involved in developing the mobile application for both IOS and Android platforms.
- Involved in SDLC Requirements gathering, Analysis, Design, Development and testing of application using AGILE methodology (SCRUM) and TDD Development.
- Created numerous Django apps and extensively used Django Session and management.
- Implemented stable React components and stand-alone functions to be added to any future pages.
- Involved in application design, site architecture design, using Lravel, react, PHP, CSS, JavaScript and HTML programming to meet validation requirements.
- Used React-Autocomplete for creating google maps location search on the webpage.
- Developed a front-end mobile application using React Native, Redux, Flex and JavaScript.
- Worked on Redux with React Native to handle large chunks of data for the better performance.

Accenture | Jul 2014 – Sep 2015 | Cambridge, Maryland, United States

Frontend Developer

- Developed websites for several kinds of industries by using MERN, MEAN, MEVN stack.
- Experience in using solidity, web3, metamask, truffle, geth, Etherium smart contracts.
- Developed/Design the application using WAMP (Windows, Apache, MySQL5, and PHP) architecture using Laravel Framework.
- Focused on improving responsibility and problem-solving skills cooperating with project managers.
- Integrating with third-party services and external APIs as a part of implementation of the high-profile customers-facing portal adopting an improved way of reports producing amongst different solutions and mitigating the code duplicity by 60%

AAXA | May 2012 – Apr 2014 | California, United States

Customer Service Technical Support

- Reviewing the quality of code for the high-volume internal web application resulting in code readability increase and performance improvements