

Alexander Simmons

Senior Full Stack Engineer

alexandersimmons824@gmail.com | +14326141112 | Odessa, TX 79763 | Feb 19, 1991

Profile

Dedicated and results-oriented Software Engineer with 11 years of extensive experience specializing in the design, development, integration, and delivery of sophisticated web applications. Known for a customer-centric approach and analytical mindset, I consistently strive for excellence in crafting innovative solutions. My philosophy centers on identifying project-specific challenges and addressing them with a commitment to simplicity and efficiency, ultimately delivering optimal design outcomes.

Education

The University of Texas Permian Basin


Bachelor of Computer Science

Apr 2009 – Jun 2012

Odessa, TX, USA

Professional Experience

Amazing Dental

Senior React.JS Developer / Frontend Web Developer / Mobile Engineer / Team Lead 

Sep 2019 – Dec 2023

Michigan, United States

- Involved in the development of a **Membership Management System** and **Community Health Outreach Program** using **React / TypeScript** as well as **React Native** for mobile platform integration.
- Implemented frontend for real-time analytics using **TypeScript** and **React**, resulting in an 11% enhancement in data-driven decision-making for clients and stakeholders across both web and mobile platforms.
- Developed user interfaces using **React Native** for mobile application development, ensuring a consistent and intuitive user experience across different devices and screen sizes.
- Improved UI components management of the large-scale frontend app by 26% with a **storybook** for web, and by implementing reusable components in **React Native** for mobile.
- Increased the number of clients by 29% with the integration of **i18n** into the flagship web and mobile apps, enhancing accessibility and usability for global users.

- Built and managed an application for users to monitor the status of their deployments, including multiple ways to filter deployment information, **authorization**, and **authentication** for the users, accessible through both web and mobile interfaces.
- Led the design and implementation of a data visualization platform using **React**, **Redux**, and **D3.js** for the web, and **React Native** for mobile.
- Executed a successful migration from class components to functional components using **React Hooks** for both web and mobile applications, resulting in a significant 40% enhancement in code maintainability and reusability across platforms.
- Implemented dynamic routing using **React Router** for the web and **React Navigation** for mobile, optimizing the application's navigation flow and delivering a 25% reduction in page loading time for both platforms.
- Implemented end-to-end testing automation utilizing tools such as **Selenium**, **Cypress**, and **Jest** for both web and mobile applications to enhance software quality and reduce time-to-market.
- Debugged applications in various browsers using **Angular**, **Jasmine**, and **Mocha** for web, and **React Native** debugging tools for mobile.
- Deployed serverless web and mobile applications using **AWS Serverless Application Model (SAM)** and integrated **Amazon S3** for file storage and **Amazon SES** for email notifications.
- Optimized large-scale databases using advanced **SQL** techniques such as stored procedures, triggers, and indexing for both web and mobile applications.
- Utilized tools like **MySQL Workbench** and **Navicat** to streamline database management tasks and improve query performance.
- Worked in a highly collaborative **Agile** team environment, utilizing **Amazon Web Services** and tools like **Concourse** for build automation for both web and mobile projects.
- Integrated **Jest** unit tests into the **continuous integration (CI)** pipeline, automating the testing process and enabling early detection of code issues for both web and mobile applications.
- Ensured proper data handling using **REST API** for receiving and posting data to the database for both web and mobile platforms.
- Utilized **Jira** for project management, task tracking, and collaboration within Agile teams, ensuring efficient workflow management and timely delivery of milestones.
- Incorporated **Slack** for team communication and collaboration, facilitating real-time discussions, file sharing, and integration with other tools to streamline project coordination and enhance team productivity.

Leveraged knowledge in React, Next.js, Redux, Javascript / TypeScript, React Hooks, React Native, Material UI, Storybook, React Testing Library, Jest, Cypress, Node.js, Mongo DB, My SQL, Jasmine, Mocha, REST APIs, GraphQL, AWS , Jira, Slack

NBC Universal

Senior Front-End Developer / Mobile Developer / Full Stack Engineer ☺

May 2015 – Jul 2019
New York, United States

- Designed and implemented an **Over-The-Top (OTT) cloud Video Platform** that facilitated video-on-demand, live streaming, and document sharing for 700 worldwide locations, resulting in a 17% increase in user engagement and content accessibility.
- Developed a migration plan to transition the legacy product from **AngularJS** to **React**, ensuring smoother transitions and enhanced user experiences across platforms.
- Enhanced the platform's versatility and user reach by extending capabilities to mobile devices through **React Native**, enabling seamless access to content on **iOS** and **Android** devices.
- Improved the quality and speed of development by covering 80% of the project with test cases using **Jest**, **Mocha**, and **React Testing Library**, ensuring robustness and reliability across all platforms, including mobile.
- Coached the **Java** back-end team on **GraphQL** adoption, schema definition, and validation, fostering cross-functional collaboration and knowledge sharing to optimize backend/frontend interactions for mobile integration.
- Built scalable **APIs** using **TypeScript** and **GraphQL** to fetch equity record details and secured **APIs** through **authorization**, ensuring data integrity and security across mobile and web platforms.
- Expertly crafted mobile-responsive interfaces using **React Native**, **HTML5**, **CSS3**, and **JavaScript** to deliver seamless experiences across a variety of screen sizes and resolutions.
- Collaborated with a diverse and cross-functional team to deliver projects in a timely manner, streamline operations, and keep communication fluid, ensuring alignment between mobile and web development efforts.
- Conducted thorough testing and review of mobile application design for responsiveness, clarity, and effectiveness, ensuring a consistent and intuitive user experience across all platforms.
- Built reusable components and **front-end libraries** for future use in both web and mobile applications, maximizing efficiency and maintaining consistency in design and functionality.
- Established and maintained a project workflow using **GitHub**, fostering collaboration and version control among developers working on both web and mobile components.
- Played a key role in the **Software Development Life Cycle (SDLC)** of applications developed using **AGILE** methodology, ensuring alignment between mobile and web development efforts and delivering high-quality products on time and within budget

Diamondback Energy, Inc.

Full Stack Developer ☺

Sep 2013 – Feb 2015
Odessa, Texas, United States

- Utilized **Django** and **PHP** frameworks extensively for backend development tasks, ensuring smooth integration with frontend components.
- Utilized **HTML**, **CSS**, **JavaScript**, and various frontend libraries and frameworks to craft responsive and user-friendly interfaces.

- Led UI design and frontend development efforts, translating design concepts into functional frontend components within the **Django** and **PHP** ecosystems, a significant part of my responsibilities.
- Collaborated closely with UX designers and marketing managers to plan and implement front-end features, adhering to the 5 stages of the **Software Development Life Cycle (SDLC)** within **Django**, **PHP**, and **WordPress** environments.
- Implemented client-side validations using **JavaScript** within **Django**, **PHP**, and **WordPress** projects, enhancing frontend functionality and user experience.
- Employed **Postman REST Client** for testing frontend-to-backend interactions, ensuring seamless communication between different components.
- Adopted **test-driven development (TDD)** methodologies and automated testing practices within **Django**, **PHP**, and **WordPress** projects to maintain high code quality across frontend and backend components.
- Delivered concise technical reports to senior management and clients regarding project status and technical matters, providing insights into front-end and back-end development using appropriate terminology for **Django**, **PHP**, **WordPress**.

Interests

Game | Music | Soccer

Skills

Web Technologies

HTML/HTML5, CSS3, XML, JavaScript / TypeScript, AJAX, JSON, DOM, MUI

Frameworks

React, React Native, React-Redux, Angular(2/4/8/9/11/14), Django, Laravel

Build Tools

Grunt, Gulp

CI/CD

Jenkins, Azure

Cloud environment

Azure, AWS

OS

WINDOWS, LINUX, Mac IOS

Application Servers

Apache Tomcat, Web Logic, Web Sphere

Accessibility Testing

ARIA, WCAG 2.0 / 2.1, JAWS, NVDA, AXE Extension

JavaScript Lib

jQuery, Express js, React.JS, Angular.JS, BootStrap, Node.JS, D3.JS, Vue.JS

Databases

MySQL, PostgreSQL, MongoDB

IDE

Visual Studio, Sublime, Alom

UX Tools

Figma, Adobe XD

Methodologies

Agile, Scrum(Mira, Jira, Rally)

Testing

Jest, Karma, Jasmine, Mocha, Cypress

API Development

Postman, Swagger UI, PAW

Version Control

SVN, GIT, GITHUB, Bitbucket, Mercurial