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## PROFESSIONAL EXPERIENCE

### Spigen, Senior Software Engineer

Aug 2020 - May 2023

- Led senior engineering efforts from greenfield development to the successful launch of highly scalable microservices, leveraging diverse tech stacks such as React, Redux, Node.js, and AWS.
- Led the front-end codebase redesign, implementing an Object-Oriented architecture to enhance code maintainability, testability, and successfully resolved over 30 common JavaScript errors.
- Implemented reusable components for recurring event UI, alongside an intuitive admin interface, reducing development time and granting other departments with control over dynamic variables.
- Responsive user interface designed with CSS to provide a smooth, easily navigated experience as well as a unique look and feel to the site for both desktop and mobile browsers.
- Created a style selector component allowing users to preview different styles for products.
- Implemented modals to facilitate user-generated content, allowing users to write reviews and questions with asynchronous HTTP requests for streamlined data submission.
- Managed state management between React components using Redux, ensuring an organized code structure and simplifying maintenance with Redux DevTools.
- Implemented an infinite scroll feature to the main feed component, optimizing user experience by loading additional posts dynamically upon scrolling.
- Utilized Material-UI components to assist in the creation of an accessible user interface that accommodates visual impairments such as color blindness.
- Implemented site navigation using react-router, allowing the UI to remain in sync with the URL and establishing a more seamless user experience.
- Implemented dropdown menus that dynamically render and update styling based on state changes and utilized CSS flexbox to implement positioning.
- Enhanced user experience by implementing search suggestions based on partial searches and dynamically updating user information.
- Utilized RESTful API to dynamically render/update product details based on user preferences.
- Utilized WebSocket for bidirectional communication, implemented a secure login and user management system, and integrated Stripe for a reliable payment system.
- Implemented AWS EC2 deployment system with load balancing and auto-scaling, and integrated microservices through an Express proxy server, deployed with Docker for enhanced scalability, reliability, and reusability.
- Collaborated on Figma with designers, Trello for project coordination, proposed Google Analytics-based updates to product manager, and assigned tasks to engineers, ensuring adherence to the development timeline.
- Introduced Agile methodologies and ticketing systems, enhancing development efficiency.

### Spigen, Software Engineer Internship

Summer 2017

- Developed RESTful APIs with Express and AJAX, facilitating efficient data retrieval from MySQL.
- Improved user experience with date-parsed search and customized sales data functionality.
- Created a microservice with JavaScript/React to display real-time sales data.
- Implemented unit/end-to-end tests with Jest and Enzyme for a test-driven development approach.
- Empowered users with CRUD operations for sales data, streamlining data management.
- Visualized data comparisons through charts and grids using ChartJS, ApexChart, and AgGrid.

## EDUCATION

Hack Reactor, Advanced Software Engineering Immersive  
B.S. in Computer Science, San Francisco State University

2020  
2019