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CHRISTIAN CHENAULT



SENIOR FRONT-END ENGINEER

PROFESSIONAL SUMMARY

Results-driven **Front-End Engineer** with **6+ years** of experience designing and deploying **scalable web applications** using modern technologies like **React.js**, **TypeScript**, and **GraphQL**. Proficient in **responsive design**, **state management**, and leveraging **CI/CD pipelines** for seamless deployments. Skilled in **collaborating with cross-functional teams** and delivering solutions that enhance user engagement and business outcomes. Adept at optimizing performance and leading **code quality initiatives**, ensuring maintainable and high-performing applications.

SKILLS

Technical Competencies

Programming Languages & Frameworks:

- Proficient in **JavaScript**, **TypeScript**, **React.js**, and **React Native**. Experienced with **component libraries** (e.g., **Material-UI**, **NextUI**) and **utility libraries** (e.g., **date-fns**, **lodash**, **React Router**).

Web Development Tools & Techniques:

- Skilled in **Git**, **Webpack**, and **CI/CD pipelines**. Familiar with **AWS services**, including but not limited to **Amplify**, **S3**, **CloudWatch**, and **Lambda**, for deploying and managing **serverless architectures**.

Styling & Design:

- Expertise in using **Figma** and **CSS**, with proficiency in **modern CSS frameworks** (e.g., **Tailwind CSS**) to create **responsive** and **user-friendly interfaces**.

State Management & APIs:

- Strong experience with **Redux**, **React Context API**, **GraphQL**, and **REST APIs** for **data handling** and **dynamic integration**.

Performance Optimization:

- Skilled in **memoization**, **code splitting**, **lazy loading**, and optimizing component architecture to improve **application performance** and scalability.

Testing & Quality Assurance:

- Proficient in **Jest**, **React Testing Library**, and **Cypress** to ensure **application reliability** through automated testing.

Soft Skills

Leadership & Mentorship:

- Experienced in guiding teams, conducting **code reviews**, and fostering growth within **Agile environments**.

Effective Communication:

- Adept at translating complex technical concepts into actionable insights for both technical and non-technical stakeholders.

Problem-Solving & Collaboration:

- Recognized for delivering **innovative solutions** to technical challenges and working seamlessly with **backend engineers**, **UX designers**, and product teams.

KEY ACHIEVEMENTS

Pepper

- Reduced bug-related revisions by 30%** by implementing an **AI-powered code reviewer** and conducting **20+ code reviews per sprint**.
- Accelerated project delivery timelines by 20%** by creating detailed **frontend technical plans**, including **state management strategies**, **architecture design**, and **API integration**.

Amazon

- Increased user engagement by 35%** by developing and optimizing **20+ modular UI components** using **React.js** and **TypeScript**.
- Enhanced application scalability** by optimizing the **React Context API** and implementing an improved **Provider pattern**, reducing latency and enabling smoother data handling.

Leidos

- Improved sprint completion rates by 40%** by directing a team of 5 engineers during a critical **front-end architecture redesign** and transitioning legacy systems to **React**.
- Reduced bug rates by 25%** by establishing a peer-driven **code review process**, fostering collaboration and improving code quality.

EMPLOYMENT HISTORY

JUN 2024 - JAN 2025

Senior Front-End Engineer, Pepper, Remote

- Engineered scalable web applications using **React**, **TypeScript**, and **GraphQL**, delivering features that contributed to a **15% increase in user feature adoption**.
- Authored comprehensive **frontend technical plans** to streamline development, reducing delivery timelines by **20%** through optimized **architecture design** and **state management strategies**.
- Spearheaded team-wide quality improvements by introducing an **AI-powered code reviewer**, cutting bug-related revisions by **30%**.
- Partnered with **UX designers** and **sales teams** to ensure product features met user needs and business goals.

JUN 2022 - JUN 2024

Front End Engineer, Amazon, Arlington, VA

- Led the development and optimization of **20+ modular UI components** for large-scale web applications, improving user experience and engagement by **35%**.
- Enhanced application scalability and performance by redesigning the **React Context API** and implementing advanced **state management techniques**, reducing latency in data handling.
- Collaborated with **backend engineers**, **UX designers**, and stakeholders to deliver high-impact features aligned with business objectives.
- Conducted over **300 code reviews**, mentoring **4 junior engineers** and improving overall code quality by **50%**.

MAY 2018 - JUN 2022

Software Engineer, Leidos, Remote

- Directed a team of 5 engineers to transition legacy systems to **React**, improving project efficiency and increasing sprint completion rates by **40%**.
- Established and implemented a **peer-driven code review process**, reducing bug rates by **25%** and fostering collaboration across the team.
- Utilized **Axios** and **React Redux** for seamless **API integration**, improving system responsiveness and reliability.
- Led the development of a mission-critical defense project, ensuring compliance with stringent requirements while enhancing system usability.

EDUCATION

AUG 2014 - MAY 2018

Bachelor of Science in Computer Science, James Madison University, Harrisonburg, VA

- Study Abroad:** Completed a semester in **Europe**, focusing on **Web Design and Development**.
- Relevant Coursework:** Data Structures and Algorithms, Software Engineering Principles, Web Development, Database Systems, User Interface Design.

CERTIFICATIONS

Front-End Developer Professional Certificate at Meta

Professional React Developer Certification at Scrimba

Certified Scrum Master (CSM) at Leidos

Developing Back-End Apps with Node.js and Express Professional Certificate at IBM

Application Development Using Microservices and Serverless Professional Certificate at IBM

PERSONAL PROJECTS

Dynamic Portfolio Website

REACT, TYPESCRIPT, TAILWIND CSS, NEXTUI, VITE, AWS AMPLIFY

- Built a **single-page application (SPA)** to showcase projects and achievements, utilizing **dynamic routing** and **responsive design**.
- Deployed using **AWS Amplify** for seamless updates and scalability.

LINKS

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