

ALIRA COFFMAN

Software Engineer, Lifelong Learner, Bug Crusher

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WORK EXPERIENCE

Vidyard, Remote

February 2023 - Present

Team Lead - Senior Software Engineer/Team Lead

- Led a dynamic team in the development and maintenance of multiple large-scale Vue, Ruby on Rails, and React applications, ensuring optimal performance and responsiveness across various devices and browsers.
- Demonstrated effective team leadership by spearheading initiatives to enhance user experience, planning and implementing intuitive, user-centric features that resulted in a remarkable 75% increase in user engagement and satisfaction.
- Championed accessibility standards outlined by WCAG, playing a pivotal role in ensuring the team's adherence to regulations. This commitment not only enhanced the platform's inclusivity but also ensured alignment with industry standards for accessibility.
- Collaborated seamlessly with cross-functional teams, placing a strong emphasis on incorporating security considerations at every stage of the development process—from design to deployment.

Amazon, Remote

August 2022 - March 2023

Front End Engineer

- Increased usability and maintainability in current and future projects with a focus on increasing test coverage, accessibility, and scalability.
- Played a key role in maintaining a strong focus on security best practices within the React ecosystem, actively participating in code reviews and implementing security measures to safeguard against potential vulnerabilities. This commitment contributed to a resilient and secure front-end architecture.
- Prioritized user experience by collaborating closely with UX/UI designers to implement intuitive and accessible interfaces. Employed industry best practices to optimize front-end performance, resulting in a 15% improvement in page load times and an enhanced overall user experience for both internal stakeholders and end-users.

Promineo Tech, Remote

May 2021 to Present

Front End Technologies Instructor

- Designed and implemented online learning resources, such as video tutorials and interactive coding challenges, to supplement in-person instruction and support student learning.

- Designed and facilitated interactive coding workshops, helping cohorts of 18 to 20 students build practical skills in web development and fostering a collaborative learning environment.
- Provided mentorship and career coaching to help students navigate the tech industry and transition into new roles.
- Conducted research and analysis to identify emerging trends and best practices in coding education, incorporating new insights into teaching materials and instructional strategies.

BookOutdoors, Remote

February 2022 - August 2022

Team Lead - Founding Senior Software Engineer

- Managed the end-to-end process of discovering, designing, and implementing an MVP project within a demanding four-month timeline, showcasing effective project management skills.
- Served as a subject matter expert for Front End Engineering, Bootstrap, and Agile Scrum Methodologies, demonstrating expertise in key areas and providing valuable insights for the team's success.
- Worked closely with back-end engineers and security teams to ensure that front-end applications were designed with security in mind, including implementing secure communication protocols and following best practices for data encryption and storage.
- Advocated for security awareness within the organization, championing the adoption of secure development practices. Played a pivotal role in fostering a culture of security consciousness and diligence across the development team.
- Took charge of building the MVP front-end from inception to launch, actively contributing to design, business, and sales decisions from a technical perspective. This multifaceted involvement showcased strong management skills in overseeing various aspects of the project.

Mayo Clinic, Remote

June 2021 – February 2022

IT Analyst/Software Engineer

- Manage and properly display live patient data from a variety of medical equipment for every Mayo Clinic Campus to allow physicians and medical staff to better support and respond to their patients
- Improve design and front end development processes by working directly with physicians and engineers to find solutions to clinical problems.
- Reduce the amount of maintenance support tickets and user frustration by implementing responsive design techniques to better improve user experience.
- Collaborated with cross-functional teams to design and implement security measures to protect sensitive patient data and comply with regulatory requirements (e.g., HIPAA).
- Conducted regular security assessments to identify vulnerabilities and develop remediation plans, ensuring that critical systems and data were protected from cyber threats.

Nucamp Coding Bootcamp, Remote
Instructor & Curriculum Developer

December 2019 to January 2023

- Assist students throughout the week with coding curriculum covering topics from Javascript, React, Python, DevOps, Cloud Technologies, Docker, Kubernetes, and SQL
- Lead weekly 4 – hour collaborative lectures for cohorts of 10 to 12 students
- Train and mentor new instructors by leading 1:1 meetings and group workshops to improve educational knowledge and techniques
- Assisted in design of new class offerings that introduce students to Python, AWS, Docker, and other DevOps Technologies.
- Maintained a 90% student retention rate and an average class rating of 4.8 out of 5.

NetDriven, Remote
Senior Software Engineer

February 2021 to June 2021

- Write and implement software test cases using Gherkin, C#, and Selenium for a code base of over 4,000 client sites
- Monitor and complete weekly deployments on internal Windows Servers, responding to possible outages and errors in a timely manner
- Developed automated security testing frameworks to ensure that new code changes did not introduce new security vulnerabilities.
- Create new multifaceted features using C#, and SQL

ADX Labs, Inc, Remote
Lead Software Engineer

April 2020 – February 2021

- Pioneer workflow automation using an array of technologies, including Python, C++, React Native, Golang, AWS, and Kubernetes.
- Automate and improve mobile app development allowing product time to decrease from two months to two weeks.
- Implemented security features such as two-factor authentication and rate limiting to enhance the security of user accounts and prevent unauthorized access.
- Improve agile processes by facilitating all sprint related activities(planning, reviews, retrospective, and stand ups) for engineering team of 7
- Conducted security reviews of third-party libraries and integrations, identifying and mitigating potential vulnerabilities in front-end code.

Mobilesoft Technology Inc, Remote
Chief Technology Officer

April 2019 – April 2020

- Strategically plan and oversee the execution of the development life cycle for mobile applications, websites, and various client/company projects, demonstrating a holistic approach to technology leadership.
- Drive efficiency gains by implementing automated processes, significantly reducing development time from two months to a remarkable two weeks, showcasing a commitment to optimization and innovation.
- Achieve substantial growth in the Operations unit, orchestrating a 50% expansion within the fiscal year, aligning technology initiatives with organizational objectives.

- Introduce and implement advanced project management methodologies underpinned by clear deliverable definitions, priority planning, employee training programs, and leading schedule project reviews, reflecting a focus on operational excellence.
- Play a key role in shaping and implementing comprehensive security policies and procedures, including the development of incident response plans and disaster recovery strategies, ensuring a robust and resilient technology infrastructure.
- Undertake a comprehensive overhaul of the engineering department, from ground-up reconstruction, encompassing strategic hiring, process planning and improvement, and effective coordination with other departments, reinforcing your leadership in shaping the technology landscape of the organization.

**Mobilesoft Technology Inc, Hybrid
Team Lead – Senior Software Engineer**

January 2018 – April 2019

- Serve as a technical resource for customer support, design, and sales team for future development needs.
- Develop and maintain clean and well executed code for over 400 hybrid mobile applications and 100 client websites
- Publish hybrid mobile applications utilizing React Native on both Android and Apple platforms
- Transition current repository and pipeline management from Bitbucket to a CI/CD workflow utilizing AWS Code Commit and AWS Code Pipeline.

EDUCATION

MS Champlain College
Digital Forensics

Expected May 2024

BSe University of Nevada - Las Vegas, Computer Engineering
Specialization: Embedded Systems, Digital Design

AS College of Southern Nevada, General Science
Cert DRI – NASA Cyber Security Bootcamp

PROJECTS

RoboTender - Patent Pending/ First Place Winner

University of Nevada, Las Vegas

Description: The Robotender is an innovative, automated bartender designed to provide a streamlined and cost-effective solution for event businesses. Users can easily order their favorite drink through a Progressive Web Application, which sends the information to a Python back-end running on a Raspberry Pi. The Raspberry Pi is connected to a custom-made PCB that controls the flow of liquids by turning on the correct pumps, ensuring precise and consistent drink mixing. This cutting-edge system not only delivers exceptional accuracy and speed but also offers a unique and engaging experience for customers. With the

Robotender, event businesses can enjoy increased efficiency and profitability while providing their customers with a fun and memorable drinking experience.

SKILLS

Web Development: Javascript/JQuery, Reactjs, Angular, Nextjs,

Software Development: C/C++, Python, React Native, Go, Rust, Assembly, Django, Cypress, Mocha, Chai

IT Tools: Jira, Asana, Git, Firebase, Bitbucket, Azure DevOps, Docker

AWS: Code Commit, Code Pipeline, S3, EC2, RDS, SES

System & Databases: SQL, Apple & Google Store Publishing, Git Extensions