Micaiah Wallace

Senior Software Engineer

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Introduction

Micaiah is a detail oriented problem solver who kind find a sustainable solution to any technical challenge in a short amount of time. He has attained vast amounts of knowledge of various systems and technologies over his career as a software engineer (9 years) making it simple for him to dig in to any challenge regardless of which tech stack is in place. His most time proven tools for development are React, Typescript, Go, Node and AWS.

Skills

Web Applications
React / Typescript / Webpack
● ● ● ● ●

Web Development
HTML5 / CSS / JS
● ● ● ● ●

API Development
Node / Express
● ● ● ● ●

Application Architecture
● ● ● ● ●

Software Design
● ● ● ● ●

Certificates

- OpenJS Node.js Application Developer (JSNAD) ⎘
- CompTIA Project+ Certification ⎘

Professional Experience

Senior Front End Developer, *Red Hat* ⎘ — 11/2022 – present, Raleigh, NC, (Remote)
- Design, develop and release features for internal web applications (React/Typescript/Node/Python)
- Collaborate with the team and stakeholders in an Agile methodology during project development
- Migrate and manage applications across Kubernetes clusters running on Open Shift (Gitlab CI, Kubernetes)

Front End Engineer, *XOi Technologies* ⎘ — 08/2021 – 10/2022, Nashville, TN, (Remote)
- Collaborate with Product Managers and other members of Engineering to to groom, implement, test and code review new and improved product features in the web and cross platform mobile applications.
- I took initiative to covert the entire front-end react code-base type system from flow to typescript.
- I improved the stability and maintainability of an internal application used for testing mobile application deep links by rewriting it in react / typescript.
- Improved system stability and architecture in the front-end applications by implementing software design best practices.

Software Engineer, *Surveillance One, Inc* ⎘ — 06/2014 – 08/2021, Lafayette, CO, USA

Software Engineering Responsibilities

- (Jan, 2021) Engineered and implemented a desktop application providing customers with the ability to manage credentials for their entire fleet of network cameras enabling them to meet security compliance standards and increase the security of their CCTV network. (Node, Typescript, Electron, AWS Lambda)
- (Oct, 2019) Deployed a cloud SaaS platform and developed custom feature sets using its public API to provide an automated process workflow for the service team. (Node, Typescript, AWS Lambda, AWS SQS)
- (June, 2019) Developed back-end API and part of the front-end for an interactive form web application that provided authentication to save form progress, and used Twilio to send one-time passcode's via SMS as an MFA mechanism to accompany the login. (Node, Express, React, AWS S3, AWS CloudFront)
- (Aug, 2018) Re-engineered and implemented an existing custom service ticket web application to improve page load time by over 50%. (React & Redux, Node, Typescript, Hapi.js, Docker, AWS ECS & ECR, AWS CodePipeline, AWS S3 & CloudFront, AWS SES, Redis, MongoDB)
- (June, 2017) Engineered and implemented an internal employee scheduling system built as a web application. This improved e ciency and accuracy by removing unnecessary phone calls and manual email writing. (Node, jQuery, MySQL, WebSockets)
- (Oct, 2015) Completely redesigned and implemented the customer service ticket platform using modern technology for the front and back-end simplifying the customer experience and providing a mobile first design to make ticket management more accessible. (Bootstrap, jQuery, PHP, MySQL)

IT & Dev Ops Responsibilities

- Deployed and migrated various web platforms on an AWS virtual private cloud to increase uptime and bandwidth over an in-house virtual machine deployment.
- Provisioned multiple virtual private network services to provide employee access to company network resources, and to provide secure communication between on-premise and cloud network resources.
- Deployed and monitored an endpoint security solution and a network intrusion detection/prevention system, increasing overall IT infrastructure and data security.
- Designed and implemented a disaster recovery plan for self-hosted network services and data storage systems.
- Implemented a 3D printing process and designed multiple 3D parts to manufacture and sell a 3rd party camera and mount kit.
- Designed and developed a network camera quad-shot display system built using Linux on an Odroid XU4 using open source utilities and bash scripting which was sold as a custom solution to customers.