

TERRENCE MAHNKEN

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SUMMARY

Experienced software engineer with a passion for education and delivering high-quality code. Microsoft Azure Fundamentals certified and hands-on experience with numerous AWS services. Effective at combining empathy and objectivity to produce swift and lasting solutions. Recognized by colleagues for excellent organizational and communication skills and taking personal ownership of projects.

TECHNICAL SKILLS

Front-End: JavaScript, TypeScript, jQuery, AJAX, React, NextJS, Gatsby, Vue, Vuex, Webpack, React Context, React-Query, Redux, Mobx, TypeScript, Storybook, Jest, Testing-Library

Back-End: Node.js, Express.js, C#, .NET, Swagger API, MySQL, Oracle SQL, MS SQL, Couchbase, Azure CosmosDB, Sequelize ORM, MongoDB, Mongoose ODM, Shell & Batch scripting

Concepts: APIs, REST, MVC, CDD, TDD, OOP, JSON, XML, SSO Protocols, SSL certificates, Accessibility (ARIA)

Tools: Docker, Terraform, AWS ElasticBeanstalk, AWS CodePipeline, AWS S3, AWS EC2, AWS ECR, Azure Functions, Azure Repos, Azure AppInsights, Git, Github, GitLab, GitLab CI, BitBucket, Jira, Confluence, Firebase, Heroku, VS Code

RELEVANT EXPERIENCE

Front End Software Engineer

2021 – Current

Data Skrive

Seattle, WA (Remote)

- Enhance, maintain, and refactor internal front-end “portal” built with React, Material UI, Mobx, React Table, and Webpack using code construction best-practices.
- Establish front-end code construction standards and test-driven development (TDD) using tools such as Jest, Testing Library, GitLab CI, ESLint, Prettier, Husky, and VS Code tools and extensions.
- Collaborate with end-users and designers to develop custom React components using Storybook using the Component Driven Design (CDD) methodology.
- Lead front-end engineering team of yearly tech debt planning and strategy, training, and code reviews.
- Write regression tests written in Java using Selenium, Cucumber, and Gherkin.
- Dockerized and deployed the front-end to AWS Fargate using Terraform.
- Implemented and tuned Datadog Real User Monitoring & Logging to provide usage statistics.
- Improved internal “portal” front-end using Lighthouse, Nginx, and refactoring practices to speed up build and deployments by 50%.

Senior Application Engineer

2021 – 2021

HCA Healthcare

Nashville, TN

- Maintained and improved Vue 2/Vuex application deployed to Microsoft IIS and used by 50k+ nurses and nurse leaders at 180+ facilities. Integrations with Tableau and ServiceNow.
- Migrated on-premise Vue/Node application to Microsoft Azure (Azure Functions, App Insights, CosmosDB)
- Maintained and improved React/Redux nursing application deployed to Azure and used at 56 facilities.
- Maintained, improved, and troubleshoot Node services and scripts for data ingestion and Swagger APIs.
- Implemented and supported JavaScript TV application used on 12k+ LG TVs in patient rooms at 67 facilities to display patient data from Meditech and Compnutrition.

CODING FOR CAREGIVERS (HCA INTERNAL HACK-A-THON)

- Worked with a team of 20 to develop a proof-of-concept, Angular/.NET-based web application using AWS Comprehend and Transcribe Medical allowing medical staff to dictate patient vitals, comments, and notes quickly.

Senior Consultant

Ellucian

2016 – 2021

Nashville, TN

- Implemented, administered, and built-out front-end, internal user portal and identity and access management system used by all 50k+ faculty, staff, and students within the Tennessee Board of Regents system office and the 26 Tennessee Colleges of Applied Technology campuses.
- Supported and trained the Tennessee Board of Regents affiliated 13 community college and 6 university technical staff on proprietary portal and identity and access management products used by 177k+ students.
- Managed Java applications, SSL certificates, and Java KeyStores in Linux RedHat environments running on Tomcat and Weblogic.

DEVELOPMENT RESPONSIBILITIES

- Developed custom Microsoft Office 365 Mail and Calendar components for proprietary React-based web portal using provided SDK, MSAL (Microsoft Authentication Library), & Microsoft Graph APIs.
- Developed custom themes for proprietary Liferay-based web portal using Eclipse, HTML, CSS, Bootstrap, JavaScript, and jQuery.
- Developed custom pages for proprietary Angular-based ERP tool using Oracle SQL, CSS, and Angular.
- Developed custom JSR-286 portlets for Liferay-based web portal using Java, Spring, Ant, Maven, JSP Views, Oracle SQL, Eclipse, and MVC design paradigm.

ADDITIONAL EXPERIENCE

Full-Stack Teaching Assistant

Vanderbilt University

2019 – 2021

Nashville, TN

- Engaging, empowering, and encouraging students in their journey to becoming full-stack web developers. The course focuses on the MERN stack (MongoDB, ExpressJS, ReactJS, and NodeJS) and computer science fundamentals. Primary responsibilities include grading submitted homework/projects, providing one-on-one assistance with class material, and using data-driven analytics to enhance student learning.

Full-Stack Centralized Grader & Senior Tutor

2U

2020 – 2022

Nashville, TN

- Met with students one-on-one to discuss any issues, topics, or concepts as they work through the Full Stack Web Development boot camp. This included troubleshooting and debugging projects and discussing higher-level topics like the DOM, Object-Oriented Programming, DevOps, or career-related matters.

Network Manager

Polk County School Board

2013 – 2015

Lakeland, FL

EDUCATION

Vanderbilt University | Nashville, TN | 2019

Vanderbilt University Boot Camp - Full-Stack Web Development

A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, Javascript, JQuery, Bootstrap, Firebase, Node.js, MySQL, MongoDB, Express, Handlebars.js & ReactJS.

Polk State College | Lakeland, FL | 2016

Network Systems Engineering Technology - Non-Degree Seeking

Obtained CompTIA A+, Cisco CCNA, and Microsoft MCP certifications

Johnson University | Knoxville, TN | 2010

Bachelor of Science in Bible, Church Music, & Worship Ministry with an emphasis in Media Production

Graduated *Magna Cum Laude*