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.

RELEVANT EXPERIENCE

Senior Front End Engineer   2023 – Current
CoStar Group   Hendersonville, TN
- Enhanced, maintained, and refactored client-facing MFE web application built with React, Typescript, and GraphQL within a monorepo codebase.
- Optimized development speed by reducing compilation and build times by 50% by migrating build tools from Lerna to Turbo.
- Optimized front-end performance by reducing data loading times by 66% using GraphQL schema reduction technique, fragments, and caching.

Front End Software Engineer   2021 – 2023
Data Skrive   Seattle, WA (Remote)
- Enhanced, maintained, and refactored internal front-end "portal" built with React, Material UI, Mobx, React Table, and Webpack using code construction best practices.
- Established front-end code construction standards and test-driven development (TDD) using Jest, Testing Library, GitLab CI, ESlint, Prettier, Husky, and VS Code tools and extensions.
- Collaborated with end-users and designers to develop custom React components using Storybook using the Component Driven Design (CDD) methodology.
- Led front-end engineering team of yearly tech debt planning and strategy, training, and code reviews.
- Wrote regression tests 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 troubleshot 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 quickly dictate patient vitals, comments, and notes.

Senior Consultant   2016 – 2021
Ellucian   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 a 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   2019 – 2021
Vanderbilt University   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   2020 – 2022
2U   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   2013 – 2015
Polk County School Board   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, Handelbars.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*