TERRENCE MAHNKEN

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Portfolio: terrence.codes

SUMMARY

Experienced software engineer with a background in music and track record for obtaining high-quality results. 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: HTML5, CSS, Bootstrap, Material-UI, JavaScript, jQuery, AJAX, React, Vue, Vuex, React Context, Redux, TypeScript, Storybook
Back-End: Node.js, Express.js, Swagger API, MySQL, Oracle SQL, MS SQL, Couchbase, Azure CosmosDB, Sequelize ORM, MongoDB, Mongoose ODM, Shell & Batch scripting
Concepts: APIs, REST, MVC, TDD, JSON, XML, SSO Protocols, SSL certificates
Tools: AWS ElasticBeanstalk, AWS CodePipeline, AWS S3, AWS EC2, Azure Functions, Azure Repos, Azure AppInsights, Git, Github, GitLab, BitBucket, Jira, Confluence, Firebase, Heroku, Eclipse, VS Code

RELEVANT EXPERIENCE

Senior Application Engineer   2021 – Current
HCA Healthcare   Nashville, TN
- Maintain and improve Vue 2 and Vuex application deployed to Microsoft IIS and used by 50k+ nurses and nurse leaders at 180+ facilities. Integrations with Tableau and ServiceNow.
- Maintain and improve React and Redux application deployed to Azure and used at 56 facilities.
- Maintain, improve and troubleshoot Node services and Swagger APIs.
- Maintain, improve and troubleshoot JavaScript application used on 12k+ LG TVs in patient rooms 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 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

Teaching Assistant   2019 – Current
Vanderbilt University   Nashville, TN
- Mentor 25-50 full-stack development students per 6-month cohort and manage student work.

Centralized Grader   2020 – Current
Trilogy Education   Nashville, TN
- Evaluate, debug, and provide constructive feedback on submissions from MERN-curriculum students.

Network Manager   2013 – 2015
Polk County School Board   Lakeland, FL

PROJECTS

Interfaith Dental | github.com/cjharkins/interfaith-dental-web | interfaithpatient.com
- A patient intake form for Interfaith Dental as part of HCA's annual Hack-A-Thon
- Project Role: Front-End Developer
- Front-end built using React, Redux, and TypeScript

Dewey | github.com/TerrenceMM2/dewey | deweyreads.com
- A personal library book tracker
- Project roles: DevOps, Networking Specialist, Email & Password Integration
- Front-End: React (Hooks & Context), Material-UI | Back-End: NodeJS, Express, MySQL, Passport | Originally deployed to AWS; now deployed to Heroku

Five Point Play | github.com/TerrenceMM2/Five-Point-Play | fivepointplay.herokuapp.com
- A basketball player statistical full-stack application & fantasy point calculator.
- Project roles: React Developer, Passport Developer, Theme Designer, GitHub Manager
- Front-End: React & Material-UI | Back-End: NodeJS, Express, MySQL, Passport | Deployed to Heroku

Terra Mater | github.com/TerrenceMM2/terra-mater | terramater.herokuapp.com
- A crowd-sourced plant database & full-stack application providing important plant characteristics and care information.
- Project roles: Project Manager, Technical Architect, Theme Designer, Supporting Developer
- Front-End: React & React-Bootstrap | Back-End: NodeJS, Express, MySQL | Deployed to Heroku

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.

Johnson University | Knoxville, TN | 2010
Bachelor of Science in Bible, Church Music, & Worship Ministry
Graduated *Magna Cum Laude*