

MICHAEL BOOK

Software Engineer | Personable and Professional | 14 Years of IT Experience

EXPERIENCE

January 2022 - Present

Software Engineer · Phase 2 · Oklahoma City, OK

- Develop, Test, and Deploy a white labeled commercial platform, with a focus on Web (Vue 2 / TypeScript) and the backend (Kotlin).
- Work with Amazon Web Services for cloud infrastructure.
- Design and implement new models, clients, services, and routes to enable new features by way of test-driven development.
- Built a component library to share code between web projects with overlapping features, refactoring much of what could be componentized up front.
- Introduced integration tests using containerized versions of our AWS infrastructure.
- Maintain, Test, and Review code within the Android and iOS mobile applications.
- Engage in sprint planning, story point estimation, and backlog refinement.
- Provide input to the UX team.

June 2022 – Present

Senior Mentor · 4Geeks Academy · Miami, FL (Remote)

- Serve as the instructor for Cohort Part Time 38
- Cover full stack concepts and languages (HTML/CSS/JS/Python/SQL)
- Help students to problem solve as they work through projects
- Review project submissions and provide feedback
- Plan with the TA regarding the lecture and project format for each day

Mar 2021 – Dec 2021

Applications Developer · Oklahoma Heart Hospital · Oklahoma City, OK

- Engaged in system design, development, and deployment.
- Responsible for supporting, maintaining, and upgrading existing software solutions.
- Designed numerous front-end dashboards and pages, with a focus on React.
- Wrote and debugged web controllers, jobs, and services on the back end using Laravel.
- Implemented an internal fax service to save costs.
- Trained and deployed the hospital's ER acuity prediction model.
- Worked with specialized vendor technologies as well as established industry tech.
- Sole designer and coder of numerous full stack solutions.
- Engaged in Test Driven Development using PHPUnit/XDebug

Jan 2017 – Mar 2021

Desktop Support Specialist · GlobalHealth · Oklahoma City, OK

- Development of Automation Tools using Python and Node over IIS.
- Development of Service Desk Web Interfaces with HTML, CSS, and JS.
- Tier 1 and Tier 2 service desk support including remote assistance.
- Composition of IT department policies and procedures.
- Advising on improvements to the SLA, ITIL standards, and IT infrastructure.
- Configuration of badge printing, scanning, and eFax.
- Configure and maintain the Imaging server using WDS.
- Compliance with HIPAA and GlobalHealth's confidentiality policies.
- Installation and maintenance of anti-virus endpoints.
- Maintain accounts on Active Directory, Azure, Office365.

EDUCATION

- Computer Science Major at West Texas A&M University, Canyon TX, 2014
- Computer Programming Major at Austin Community College, Austin TX, 2013
- Computer Science Major at McMurry University, Abilene TX, 2010-2012
- Computer Forensics Major at Frank Phillips College, 2008-2010

CERTIFICATIONS

- Google IT Automation with Python, Coursera, 2020
- CS50x awarded from Cambridge, Massachusetts (EDX), 2020

CONTACT INFO

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SKILLS

ADVANCED

- **JavaScript / NodeJS /TypeScript**
- User Security and Configuration:
 - Active Directory, Azure
 - Office 365, Exchange, Teams
- Deploying and maintaining workstations, networks, labs, and other peripherals
- Network troubleshooting based on the TCP/IP protocol stack.
- POP and IMAP setups.

INTERMEDIATE

- Languages:
 - Python
 - HTLM5, CSS3/SASS
 - Kotlin
- Frameworks:
 - React (JS)
 - Vue (JS)
 - Flask (Python)
 - Express (Node)
 - Bootstrap, Bulma (CSS)
 - Laravel (PHP)
- Object Relational Mappers:
 - Eloquent
 - Mongoose
 - AWS DynamoDB SDK
- Linux Operating Systems
- Windows Server
- Ticketing Systems:
 - Remedy, ServiceNow
 - SysAid, JIRA

WORKING PROFICIENCY

- Amazon Web Services:
 - CodePipeline
 - CodeBuild
 - VPC
 - Simple Notifications Service
 - CloudWatch
 - Cognito
 - Elastic Beanstalk
- Database / Storage
 - Sqlite3
 - MySQL
 - MongoDB
 - DynamoDB
 - Firebase
- Languages
 - Swift
 - PHP
 - Cerner Command Language
- Webpack, Rollup, Vite
- PowerShell, Git, Bash