

Sequoia Mathias Kanies

SOFTWARE ENGINEER

Motivated and passionate Front End and aspiring Full Stack developer with experience in JS, JSX/React Typescript/TSX, HTML, CSS, SQL and many more supporting technologies. Educated primarily in Java and SQL at the University of Tennessee at Chattanooga, with a degree in Software Systems and a minor in Business Administration. As a lifelong artist and designer at heart, I bring artistic integrity into my work and aspire to bring humility and patience to problem solving and collaboration.

Design | Development | Project Management | Database Management | API | Public Speaking | Scrum and Agile Development | Business Applications | Software Engineering | Maintenance | Debugging

EDUCATION

Bachelor of Science (BS): Software Systems, Minor: Business Administration – University of Tennessee at Chattanooga; Graduated 2019

TECHNICAL SKILLS

JavaScript | HTML | CSS | ReactJS/JSX | Typescript/TSX | Visual Studio | Java | Amazon AWS/S3/IAM/SDK | Git/GitHub | Node.js | Express | SQL/Sequelize | PostgreSQL | Google Material Design | Cordova | Capacitor | BitBucket | Cosmic | Slack & Trello | WordPress | Wix | GoogleAPI | UnrealEngine | In-game level/character design

Professional Experience

R & D for IOS/Android CyberMonk Native App, PWA and Site

October 2023 - January 2024

- Live on the IOS app store as “CyberMonk”!

During R & D for the Supplement App section below, CyberMonk was built using the technologies studied therein. Different technologies were used in order to evaluate cost/benefit of each in accordance with solving the problems at hand. For example, Capacitor was chosen after use of both that and Cordova, due to the ease of transforming a modern site into a PWA, and then a native app through xCode and AndroidStudio. UI Libraries such as Material Design and Ionic, were considered and practiced but deemed less suitable when compared to React and Vanilla JS principles for this project. TestFlight, PWA and IOS Native App testing conducted for the project, validating morality of the Chatbot and consistency in the ideological methods adhered to by the (ML) Machine Learning dataset. In other words, the chatbot responds to user input based on the ideology of the school of thought ‘Metaphysical Idealism,’ also ensuring never to advise someone to do something illegal or harmful.

Contracted Designing Front End for Health Supplement App Version 1

Full Time: October 2023 - February 2024

Practicing various technologies such as Amazon SDK, IAM, S3; Google Material Design Components, PostgreSQL, Sequelize, Cordova, and Capacitor. Programming within VSCode2 using React, a PWA (Progressive Web App) was created for the website. Next milestones for this project are getting the search bar hooked up to the backend database. Using Android Studio and xCode, the final stages of the project will create native applications for Android and iOS. This project is still in early stages and is likely to experience volatility. As Described above, in the CyberMonk section, Various technologies were considered and ReactJS with Capacitor was chosen in place of Cordova and/or Google Material Design. Backend in progress is using Postgres.

PodTopics | Chattanooga, TN | Contracted Apprentice Software Engineer

Part Time: 2022-2023

Company Owner: Greg Thompson

Lead Programmer: River Kanies

Software: React full stack application

Worked on developing new features and debugging or refactoring existing features within the ReactJS library. Worked primarily with front-end software development, and used back-end software such as Cosmic, AWS S3 and BitBucket for server and database. Workflow involved forking off GitHub origin/main, developing in a separate branch, testing and deploying within a local server, then submitting my code for review; additional testing and deployment to the live server was done by the lead programmer.

- Fixed HTML/CSS bugs to clean up UI
- Implemented new pages to the website
- Wrote JavaScript code to manipulate the DOM
- Trained under the lead programmer to learn many technologies, listed above
- Worked with React hooks to handle rotating advertising images within the business application
- Added customer testimonials and user stories via BitBucket JSON files, to be retrieved by the backend server and displayed as new pages in the front end
- Participate in code review related to functionality and security
- Utilized Git and GitHub for version management/source control
- Create basic documentation for technical code changes and modifications
- Developed applications in a multilevel environment, including development, testing, and production
- Work on an Agile project team, participating in daily scrums
- Practice coding remotely via GoogleMeet for collaborative coding
- Participated in company meetings, describing features to the client in professional, technical and non-technical terms
- Adding to, changing, and deleting backend repositories within BitBucket, Cosmic and AmazonS3
- Used Google Dev Tools and VSCode editor plugins to aid in both software development and debugging

Professional Experience (Non-IT)

Sims Custom Woodworking | Trenton, GA | Lead Builder/Lead Install part time

12/2022 - 12/2023

Worked part time as manager/lead builder for a cabinet shop while I studied programming. Managed other employees and was given autonomy using heavy machinery due to my past and proven experience. I recently transitioned into self-teaching full-stack web development at home full time and took on the Supplement App project. I used the GoogleAPI to build a website for SimsCWW, which is linked below, though this was more of technical design and required very little coding, similar to the Hiddencharmssoaps site and a Wordpress site (which I built for my aunt years ago and is no longer live)

Omega Parking Services | Chattanooga, TN | Valet & Valet Manager

Full and/or Part Time: 2015-2021

Company Owner: Dewayne Terry

Throughout college and continuing for several years thereafter, I worked full or part time as a valet and was promoted to manager due to my consistency and dependability. I worked customer service and valet at a variety of locations, ranging from hotels to restaurants and private events. The years of customer service taught me patience and helped me gain a love for meeting and helping strangers on a daily basis. Outside of work, during this time I dedicated myself to art, wrote a novel with my best friend and resumed my software education, building small business websites for myself and friends.

Kanies Remodeling | Nashville, TN | Carpentry & Home Remodeling

Childhood - Late High School

Company Owner: Isaiah Kanies

I worked under my father, Isaiah, learning construction, physical design, framing, roofing, plumbing, electrical, flooring, etc. The work ranged from fixing small things to remodeling rooms or entire houses from foundation to roof, demonstrating the fine craftsmanship behind design, architecture and carpentry.

References

My Contact Information:

Email: kaniessequoia@gmail.com

Phone: (615)342-9530

Gregg Thompson: Founder/CEO of PodTopics and Podwheels, Chattanooga, TN.

Company Website: <https://www.podtopics.com/>

LinkedIn: <https://www.linkedin.com/in/gregoryjthompson/>

River Kanies: Lead Programmer for PodTopics

LinkedIn: <https://www.linkedin.com/in/river-kanies-95706389/>

Dewayne Terry: Founder/CEO of Omega Parking Services

Website: <https://omegaparking.com>

LinkedIn: <https://www.linkedin.com/in/dewayne-terry-b4197a124/>

Isaiah Kanies: Founder/CEO of Kanies Remodeling

Website: <https://www.facebook.com/kanies.remodeling/>

Programming Portfolio

Portfolio Website

<https://portfolio-website-sequoia.netlify.app/>

GitHub

<https://github.com/ScrumMasterSequoia>

UTC Senior Capstone Project

<https://github.com/ScrumMasterSequoia/PredictiveStockAnalyzer>

CyberMonk IOS App

<https://apps.apple.com/us/app/cybermonk/id6471553744>

Wix Website:

<https://hiddencharmsoaps.com>

GoogleAPI Website:

<https://simscww.com/>