

Michael Rooze

Software Engineer | [\[Portfolio Site\]](#)

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PROFESSIONAL SUMMARY

Software engineer with 6+ years of experience building impactful web applications across industries including telecommunications, real estate, publishing, and automotive retail. Proven track record of delivering scalable, production-ready features that improve business processes and user experience.

TECHNICAL SKILLS

Technologies: TypeScript, JavaScript, Python, HTML, CSS/SASS, Tailwind, Bootstrap, Node.js, Express, Jenkins (CI/CD), Webpack, Babel

Frameworks & Libraries: React.js, Redux, Next.js, Vue.js, React Native

Databases: SQL, NoSQL, MongoDB, Xata, GraphQL, Supabase

Testing: React Testing Library, Jest, Cypress

Cloud Platforms: AWS, Firebase, Heroku

Methodologies: Agile/Scrum, BDD, TDD

EXPERIENCE

Senior Software Engineer

Lunar Cow Publishing | 12/2024 - present

- Develop new features for our employee and client portal using Next.js and Supabase
- Implemented secure cross-application navigation between employee and client portals, preserving Supabase authentication across domains to ensure a seamless user experience
- Built a forecasting tool that enables employees to log weekly hours so managers can assign them to projects, reducing manual coordination
- Created a Vercel Cron job to email meeting reminders, improving attendance rates
- Integrated AWS S3 to handle multi-file uploads with support for deletions and visual previews
- Designed a metrics dashboard with dynamic charts and keys for improved visibility
- Integrated Mailgun with FormData for automated upload confirmations to clients

Freelance Software Developer

01/2019 - present

- Built custom web applications for small businesses and individuals using React.js, JavaScript, Node.js, Express, and WordPress, improving online presence and functionality for clients
- Led end-to-end development, including requirements gathering, technical design with Figma, development, testing, and deployment
- Created contact and testimonial forms powered by Node.js and Express, which improved client outreach, validated credibility, and streamlined communication channels
- Developed a feature-rich invoice generator for a small business, including tax calculation, note addition, customizable themes, and a printable PDF option, reducing manual effort by 40%
- Designed and implemented scheduling tools to optimize workflow, resulting in more efficient management of appointments and improved business operations
- Contributed to community projects like *Songwriting Inspirationator*, helping to enrich the open-source ecosystem while showcasing technical expertise

Senior Front-End Engineer

Coconut Tree Software Inc. | 04/2024 - 06/2024 (contract)

- Initiated and led the front-end development of a real estate application from the ground up using the React.js library, Context API, and Material-UI
- Built multiple features for users to view, buy, and sell properties
- Utilized Google Maps API for address search and the Stripe microservice for secure payment
- Enabled property image upload feature with a drag-and-drop interface
- Created dynamic graphs and forms to answer residential and condo disclosure questions
- Collaborated effectively with the backend team using Swagger documentation for API integration
- Implemented responsive design principles to ensure optimal performance across various devices

Software Developer IV

Charter Communications (Spectrum) | 10/2022 - 06/2023 (contract)

- Built software that allows sales activation agents and internal teams to resolve ordering issues and test specific buy flows utilizing the React library, React Context API, and Material-UI

- Developed features that helped resolve ordering issues, reducing issue resolution time by 21%
- Developed RESTful APIs using Node.js, defining endpoints to facilitate communication between our client-side applications and server-side resources, ensuring seamless data exchange and functionality integration
- Built effective unit and integration tests with React Testing Library, ensuring over 90% code coverage
- Tested and documented code before using Jenkins for promotion and deployment
- Ensured 100% accuracy of deployed packages through active participation in production meetings
- Led demonstrations of our team's progress in monthly meetings

Software Developer

Business Information Systems | 10/2021 - 03/2022

- Developed web applications that handle transactions and manage inventory for county clerks across the state of Tennessee using Vue.js, TypeScript, PHP, and other supporting technologies
- Built features that integrate the use of barcode scanners for license plates
- Followed PCI security data standards to successfully prevent data vulnerabilities
- Used Monetra technologies and TranSafe to test credit cards to ensure secure transactions
- Created effective unit and integration tests with Jest to increase test coverage by 30%

Software Developer

Beaverton Toyota | 06/2019 - 09/2021

- Designed, implemented, and maintained a fully responsive web application used by clients in the automotive retail industry using React.js and Redux for global state management
- Built scheduling and order tools, resulting in a 23% reduction in downtime
- Developed a Virtual Showroom with data fetched from the inventory management system, featuring server-side pagination, filtering, and sorting
- Represented team at meetings with executives and presented project goals and milestones
- Developed a routing system with React Router to ensure single-page application behavior

CERTIFICATIONS

Team Treehouse - Front-End Web Development Certificate

AWS Solutions Architect Associate (*In Progress*)

Expected Completion: 07/2025

EDUCATION

Indiana State University | *Terre Haute, IN*

Bachelor of Science

Graduation Date: 05/2012