Michael Kennedy

(831) 917-9737 | michael@michaelkennedy.dev | linkedin.com/in/mw-kennedy | github.com/xNS5

SUMMARY

Tenacious and detail-oriented Software Engineer with experience in developing both front-end and back-end applications. Passionate about creating innovative, user-centric solutions. Renowned for excellent communication skills, building strong relationships with stakeholders, and advocating for accessible design. Highlights include developing a scalable PDF tracking solution, an intuitive user-friendly code review application, and an automated website accessibility evaluation utility. Committed to fostering a supportive culture of cross-team collaboration and professional excellence.

EXPERIENCE

Heritage Bank Northwest   July 2022 – January 2024
Software Developer I   Burlington, WA

- Collaborated with banking analysts to implement features and resolve bugs in Heritage Bank Northwest's banking relationship and treasury management applications.
- Integrated Bottomline SOAP API to automate onboarding Treasury Management products for customers, eliminating on average 111 clicks per product and reducing the implementation lead time by 50%.
- Spearheaded an 80% reduction in integration time for new services within the Treasury Management application by eliminating hard-coded values and introducing a database-dependent solution.
- Designed, developed, and tested an interactive application that displays a visual diff of code changes using React.js components to streamline the code review process, enabling both developers and non-developers to quickly identify and review changes made while working on a ticket.
- Refactored existing REST API in the Java back-end server to improve code quality, and implemented new features to existing API.

Viking Union (VU), Western Washington University   June 2019 – December 2021
Computer Maintenance Technician   Bellingham, WA

- Acted as the sole on-site technician providing in-person and remote support during COVID-19 lockdown.
- Deployed software and hardware to machines and over 50 offices located throughout the Viking Union.
- Replaced the 3tb shared network drive used by over 200 VU employees with a new 100tb Synology NAS Device.
- Researched, tested, and deployed a single-application kiosk to the VU information desk using Windows 10, PowerShell, Internet Explorer 11, and local group policy configuration.
- Created Bash shell scripts to automate the wiping and reformatting of recovered USB drives in the VU's lost and found.

TECHNICAL SKILLS

General Experience: Data Structures, Algorithms, Databases (SQL and NoSQL), Git, CI/CD, Docker, Maven, Azure, SOAP, REST.
Languages: Java, Javascript, Typescript, Python, Dart, C#, Powershell, Bash.
Frameworks: React.js, Node.js, Next.js, Flutter, Django, FastAPI, Flask.

PROJECTS

Bellingham Rental Reviews
February 2024 – Present

Next.js, Typescript, NoSQL, Python, Selenium

- Designed a custom web scraper using Python and Selenium to gather information from Yelp and Google on over 200 property management companies and apartment complexes in the Bellingham, Washington area.
- Extracted and transformed data into JSON format, and adjusting review metrics for clarity and consistency.
- Utilized OpenAI to analyze JSON data and generate markdown articles for each entity, enriching data insights and presentation.
- Wrote documentation to outline the purpose of the project, as well as technical information on the scripts used to gather data.
- Created an accessible website using Next.js to showcase AI-generated reviews, stored in Firebase NoSQL database.

Accessibility Testing Automation Application
July 2021 – January 2022

Sails.js, Vue.js, Selenium, Python, Deque aXe API

- Led a team of 4 in the development of a full-stack accessibility checking application for Wandke Consulting – an accessibility consulting company in Bellingham, WA.
- Facilitated code reviews for new features and gave feedback to team members.
- Utilized Deque Labs' aXe accessibility API and Selenium Webdriver to scan websites and test for over 350 Web Content Accessibility Guideline (WCAG) violations.
- Implemented REST API routes in the Sails.js backend and integrated a custom Python web crawler.

Web Content Accessibility Guideline (WCAG) Reference CJS
July 2021 - January 2022

Javascript

- Forked and modified the NodeJS Package "WCAG Reference" to work as a CommonJS import.
- Created a function to locate and return all WCAG success criterion of a given level (A-AAA).
- Upgraded the WCAG scrapers to include short and long descriptions of WCAG guidelines in the JSON output.
- Utilized Github Actions to deploy updates to Npmjs.com.

ReLeave
January 2021 - March 2021

Flutter, SQLite

- Led a team of 4 in the development of a cross-platform mobile application to assist people going through cannabis use disorder recovery.
- Conducted research, and interviewed Substance Use Disorder specialists with Sea-Mar Community Health Centers to develop a list of functional requirements.
- Integrated Reddit API using the Dart Reddit API Wrapper (DRAW) to interact with over 200,000 users on the /r/Leaves subreddit.

EDUCATION

Western Washington University (WWU)

Bachelor of Science in Computer Science, Minor in Communication Studies
Bellingham, WA