

Michael Kennedy

1. [\(831\) 917-9737](tel:(831)917-9737)
2. michael@michaelkennedy.dev
3. linkedin.com/in/mw-kennedy
4. 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

1. Heritage Bank NW

Software Developer I

June 2022 - January 2024

Burlington, WA

1. Collaborated with banking analysts to implement features and resolve bugs in Heritage Bank Northwest's banking relationship and treasury management applications
2. 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%
3. 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
4. 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
5. Refactored existing REST API in the Java back-end server to improve code quality, and implemented new features to existing API

2. Viking Union (VU), Western Washington University

Computer Maintenance Technician

June 2019 - December 2021

Bellingham, WA

1. Acted as the sole on-site technician providing in-person and remote support during COVID-19 lockdown
2. Deployed software and hardware to machines and over 50 offices located throughout the Viking Union

3. Replaced the 3tb shared network drive used by over 200 VU employees with a new 100tb Synology NAS Device
4. 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
5. Created Bash shell scripts to automate the wiping and reformatting of recovered USB drives in the VU's lost and found

TECHNICAL SKILLS

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

PROJECTS

1. Bellingham Rental Reviews

Next.js, Typescript, MongoDB, Firebase, Python, Selenium

February 2024 - Present

1. 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
2. Extracted and unified data into JSON format, and adjusting review metrics for clarity and consistency
3. Utilized OpenAI to analyze JSON data and generate HTML articles for each entity, enriching data insights and presentation
4. Wrote documentation to outline the purpose of the project, as well as technical information on the scripts used to gather data
5. Created an accessible website using Next.js to showcase AI-generated reviews, stored in Firebase NoSQL database

2. Accessibility Testing Automation Application

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

July 2021 - January 2022

1. 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
2. Facilitated code reviews for new features and gave feedback to team members
3. Utilized Deque Labs aXe accessibility API and Selenium Webdriver to scan websites and test for over 350 Web Content Accessibility Guideline (WCAG) violations
4. Implemented REST API routes in the Sails.js backend and integrated a custom Python web crawler

3. Web Content Accessibility Guideline (WCAG) Reference CJS

Javascript

July 2021 - January 2022

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

4. ReLeave

Flutter, Sqlite

January 2021 - March 2021

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

EDUCATION

1. Western Washington University

Bachelor of Science in Computer Science, Minor in Communication Studies

September 2016 - December 2021

Bellingham, WA