Rose O'Malley

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SUMMARY

Full-Stack Software Engineer transitioning from a career in music, blending creativity, precision, and problem-solving into software development. Passionate about building impactful software solutions while leveraging a diverse skill set developed from years of music performance and education.

TECHNICAL SKILLS

Languages: Java, JavaScript, SQL **|** **Front-End:** HTML, CSS, React, Vue.js **|** **Frameworks/Libraries:** Spring Boot, Node.js
Databases: PostgreSQL **|** **Design Tools:** Figma, Canva, draw.io Trello
Tools: IntelliJ, Visual Studio Code, pgAdmin, Postman, DevTools, Git, Github, Docker, JUnit, Maven

CODING & DEVELOPMENT PROJECTS

Portfolio**| React**
- Developed a portfolio website with **React** to display my projects and act as a living resume.

Gig Tracker**| PostgreSQL, Java**
- Developed a command-line interface (CLI) for musicians to track events, using **PostgreSQL** for data management and querying in **pgAdmin**.
- Designed entity-relationship diagrams with **draw.io** and built the **PostgreSQL** schema.
- Implemented the CLI in **Java**, following the **MVC** design pattern with switch-based menus, array lists, interfaces, and **JDBC** for **CRUD** operations.

Brat Calculator **| Javascript, Vue, Ableton Live**
- Built interactive calculator application in **JavaScript** using **Vue.js** and **CSS**, playing unique sound for each key press.
- Edited audio from Charli XCX's *Brat* album into clips using **Ableton Live** and integrated them into the calculator.
- Utilized **JavaScript's** Audio constructor and a custom playSound method with event handling to trigger audio playback.

Paw Swipe**|PostgreSQL, Relational Database, Java, Spring Boot, REST API, JWT, Figma, JavaScript, Vue, CSS HTML**
- Designed and implemented the back-end of a pet adoption website, following **OOP** principles and the **MVC** design.
- Implemented role-based authentication with **JWT** using **Spring Security**, supporting users, admins, and visitors.
- Developed a **RESTful API** accessed through **JavaScript** via **Axios**, and rigorously tested with **JUnit** and **Postman**.
- Deployed the server on Koyeb.com using **GitHub** for version control.
- Designed desktop and mobile wireframes and prototypes using **Figma**.
- Developed the user interface using **Vue.js** and **JavaScript**, employing components, views, services and routing.
- Styled the project according to wireframes with **CSS** for a polished, responsive design.

WORK EXPERIENCE

Front-End Developer (Freelance) *Healing Hands Fund* **|** Philadelphia, PA   **Nov '24 – Present**
- Developed a responsive, user-friendly website for a non-profit organization using **Vue.js** for the front-end
- Worked with clients to gather feedback, iterating on designs and functionality to meet project goals and deadlines.
- Deployed the website on a development subdomain, allowing the client to preview and provide ongoing feedback
- Collaborated with the team and cross-functionally to ensure the site's successful launch and funding campaign.
- Utilized **Github** for version control and **Apache** for hosting, ensuring smooth deployment and version tracking.
- Implemented best practices for responsive design, optimizing the site for both desktop and mobile views.

Professional Musician, *Self-Employed* **|** Philadelphia, PA   **Aug '10 - Present**
- Taught 10-20 students per week, customizing lessons to suit individual needs and skill levels across music genres.
- Contributed to 5+ records as a multi-instrumentalist, with expertise in audio engineering, music production and session musicianship.
- Utilized problem-solving and creativity to adapt to various performance settings, ensuring high-quality performances
- Managed communication, coordination, and collaboration with fellow musicians, showcasing strong teamwork and interpersonal skills that easily translate to a collaborative software development environment.
- Applied precision, honed over years of performing and recording, to deliver high-quality sound and recordings.

EDUCATION

Tech Elevator | National Live Remote   **Dec '23 - Aug '24**
Full-Stack Software Development Bootcamp
Designed software systems and solutions with 800+ hours of education and application, focusing on Java web applications.

Berklee College of Music | Boston, MA
Bachelor of Arts Professional Music