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PROFESSIONAL SUMMARY

Results-driven software engineer with a solid foundation in front-end development, project management, and software engineering. Passionate about working with data, managing complex projects, and developing innovative software solutions. Experienced in creating and optimizing websites and mobile applications with a strong focus on user experience and performance. Adept at collaborating across teams to deliver high-quality products that meet both client and business needs. Seeking to leverage my technical skills and project management experience to contribute to a dynamic team and drive impactful software development projects.

PROFESSIONAL EXPERIENCE

Freelance   08/2018 – Present

Front-End Developer | **Nourish & Grow** | Remote   08/2022 – 08/2023
- Developed a mobile-friendly website using HTML5, CSS, and JavaScript, enhancing user engagement through UX/UI designs.
- Managed backend functionalities and integrated client feedback for continuous improvement.
- Implemented responsive design principles to ensure optimal viewing experiences across various devices.

Front-End Developer, Project Manager | **Solder & Sew** | Remote   01/2019 – 06/2021
- Enhanced an e-commerce website and Etsy page using Agile methodologies, boosting performance and user interaction through strategic use of Google Ads and Analytics.
- Collaborated with the marketing team to develop targeted advertising campaigns that maximized ROI.
- Monitored and reported on key performance indicators (KPIs) to ensure continuous optimization of the e-commerce platform.

Front-End Developer, Project Manager | **All Around Asphalt, LLC** | Remote   04/2020 – 06/2021
- Developed and maintained an online presence using SEO strategies, ensuring high performance and reliability of backend systems
- Managed the full website lifecycle from design to deployment.
- Conducted regular performance audits and implemented enhancements to maintain system reliability and speed.

Front-End Developer, Project Manager | **Mountain Oaks Boutique** | Remote   08/2018 – 03/2020
- Led the development of an ecommerce platform on Shopify, optimizing the frontend for user experience and ensuring seamless backend integration.
- Implemented advanced features and functionalities to improve the shopping experience and increase customer engagement.
- Ensured data security and compliance with industry standards to protect customer information.

EDUCATION

Bachelor of Science in Software Engineering | Western Governors University | 3.0 GPA   2024

CERTIFICATIONS

- AWS Certified Cloud Practitioner | Amazon Web Services
- Project+ | CompTIA
- ITIL v4 Foundation | AXELOS

TECHNICAL SKILLS

Programming Languages: Python, Java, Kotlin, JavaScript (JSX), SQL, HTML/CSS
Technologies & Frameworks: React, Node.js, Angular, Spring, RESTful APIs, Room, Git
Database: MySQL, PostgreSQL, MongoDB
Tools: AWS, Figma, Google Analytics, Android Studio, Visual Studio Code, IntelliJ IDEA, PyCharm, Docker, GitHub, Gitlab

PROGRAMMING EXPERIENCE

Nora's Bagel Shop Database – Relational Database, MySQL Workbench
- Designed and implemented a relational database for a bagel shop, ensuring data normalization from 1NF to 3NF to improve data integrity and reduce redundancy.
- Developed and structured tables to organize customer orders, bagel details, and order line items, ensuring accurate tracking of customer orders and inventory.
- Established relationships between tables to facilitate efficient data retrieval and reporting, supporting the shop's operational needs.

Jaunty Coffee Co Database – Relational Database, MySQL Workbench
- Developed a comprehensive SQL database for a coffee shop chain, including tables for employees, coffee shops, suppliers, and coffee products.
- Implemented SQL queries to populate and manage data, including complex joins and data views for better business insights.
- Enhanced data accessibility and accuracy through the creation of indexes and structured queries, supporting operational efficiency and decision-making.

DVD Employee Performance Report (Database) – PostgreSQL, PGAdmin
- Conducted data analysis on DVD rental transactions to identify top-performing employees and recommend incentive strategies.
- Utilized SQL to extract and transform data from payment and staff tables, creating detailed and summary reports for stakeholders.
- Automated the report generation process with stored procedures, ensuring data freshness for quarterly performance reviews and employee rewards.

Business Website – React, CSS, Python, SQL, Flask, GitHub
- Converted a static HTML5/CSS website to the React framework.
- Implemented Cross-Origin-Resource-Sharing (CORS) to allow the front-end of the website to communicate with the back-end.
- Added functional search bar to improve the user experience.
- Implemented backend for the secure handling of customer data (HTTPS, CORS, input validation/sanitation, SQLAlchemy, error handling, and backend logging).

Computer Component Shop - Java, Spring, HTML, CSS, GitLab
- Customized a Spring Framework application with an HTML front-end and a Java backend.
- Added a sample inventory with parts and products that were updated when a customer would buy each item.
- Designed the software application to track inventory for specific customers.
- Integrated robust validation for inventory limits.
- Developed and executed unit tests to ensure functionality and reliability.

Hotel Reservation Website - Java, Spring, Angular, HTML, CSS, Docker
- Developed on a multithreaded Spring application with a Java back-end and an Angular front-end.
- Added features including language translation, time zone messaging, and currency exchange.
- Created resource bundles for English and French to display a welcome message using separate threads for each language.
- Wrote a Java method for time zone conversion (ET, MT, UTC) and displayed them on main page.
- Containerized the application with Docker and test ran it before committing it to GitLab.

Travel Purchase Website - Java, Spring, Angular, MySQL, RESTful APIs
- Created a Java project using Spring Initializr with dependencies: Spring Data JPA, Rest Repositories, MySQL, Driver, and Lombok.
- Integrated the program with an existing MySQL database and Angular front-end.
- Addressed undocumented bugs and resolved them to make the application run more efficiently.
- Added validation to enforce required inputs by the Angular front-end.

Travel Planner Mobile App - Android SDK, Java, Room Framework, SQLite
- GUI elements included: home screen, list of vacations, list of excursions, detailed vacation view, detailed excursion view.
- Enabled users to enter, edit, and delete vacation and excursion data.
- Added validation to prevent deletion of vacations with associated excursions.
- Generated a signed Android Package Kit (APK) for deployment

ConSesh | Android Application for Concession Stand Order Management | https://youtu.be/MDKGie92j-g
An innovative Android application designed to help volunteers efficiently manage concession stand orders.
Key features and technology used:
- **Menu Management:** Create, update, save, and share menus with ease.
- **Order Processing:** Accurately process payments and streamline order management.
- **Customization:** Quickly update menu items and customize orders.
- **Real-Time Tracking:** Track transactions in real-time for improved accuracy.
- **Stack:** Android Studio, Kotlin, XML, SQLite, Room Framework