MADARA (MADDY)
VETRA

Stirling, Scotland
madyshhh@gmail.com
07928984082

Software Developer from Latvia, now living in Scotland. Seeking a full-time role that will allow me to continue pushing boundaries, gain professional experience, contribute to exciting projects, and make my dreams come true.

EXPERIENCE

Web developer

RiskMe (https://www.riskme.app/) | Freelance

Dec 2023 – Aug 2024

- Developed and continue to maintain a website for a startup dating app, utilizing React and Next.js for coding.
- Working within a team of developers to enhance the app's website functionality and user experience.
- Employing version control with Bitbucket to facilitate seamless collaboration and effective code management.

Software developer

Lithium Systems | Internship, then on contract

Jun 2023 – Present

- Designed, developed, and continue to maintain end-to-end software solutions for automating telecom billing processes, including a user-friendly web interface built with PHP, HTML, CSS, and JavaScript.
- Designed and implemented a Python-based data processing pipeline that automated the ingestion and processing of data from different sources.
- Utilized Windows batch files and Task Scheduler to schedule and manage data processing tasks, reducing manual effort, and improving data accuracy.
- Designed and created a MySQL database to support data storage and retrieval needs.
- Developed a monthly invoice generation system, reducing billing errors by 40%, and enhancing financial operations.
- Implemented a comprehensive logging system for real-time monitoring, debugging, and system analysis.
- Achieved 65% improvement in staff efficiency through the implementation of automation and data processing techniques.
- Gained experience with external APIs for real-time data retrieval and analysis, Microsoft Power BI for data visualization and insights, and Rewst for workflow automation.

Optical assistant

Specsavers | Part-time

Jan 2024 – Present

- Excellent customer service and communication skills.
- Attention to detail and accuracy in processing transactions and managing appointments.
- Ability to quickly learn and adapt to new systems and processes.
- Consistently ranked in the top 3 for sales performance, frequently achieving the highest sales among team members.

EDUCATION

Bachelor of Science with Honours in Software Development with Cyber Security
University of Stirling | Grade: First class
June 2024

- Skilled in Java, Python, mobile app and web development technologies.
- Proficiency in relational database management systems and SQL, including Oracle's "Database Programming with SQL" certification.
- Skilled in working with NoSQL databases (e.g., MongoDB, Cassandra).
- Experience in developing and working with RESTful web services.
- Knowledge in computer security and network configurations.
- Experience with Natural Language Processing (NLP) techniques, modern CNN architectures, convolutional neural networks for object detection, and AI and ethics, understanding the ethical considerations and implications of AI technologies.
- Advanced knowledge of object-oriented programming, analysis, and design, including Oracle's "Java programming" certification.
- Familiarity with software development methodologies such as Agile and Waterfall.
- Experience in game development using Java.
- Developed foundational skills in UX design, focusing on creating intuitive, user-centered interfaces and improving overall user experience through research, wireframing, and prototyping.
- Familiar with software testing and debugging.
- Knowledgeable in version control systems such as Git.
- Strong collaboration and communication skills, with experience working on group software development projects and interacting with clients.
- For my dissertation, developed a mobile recipe application, "Kitchen Co-Pilot," that suggests meals based on user-entered ingredients while prioritizing those nearing expiration. Utilized Expo, React Native, APIs, and Supabase. The app features an ingredient tracker that allows users to add ingredients, including scanning product barcodes, and set expiry date notifications.
- Effective time management skills, demonstrated through balancing academic assignments, interests, and part-time employment.
- Experience as a class representative for two years, demonstrating strong leadership and communication skills.

SKILLS

- Experience with various development tools including Eclipse, IntelliJ, Visual Studio, Visual Studio Code, Git, BitBucket, Supabase, Expo, Postman.
- Skilled in Microsoft Office applications.
- Skilled in multiple programming languages and frameworks such as HTML, CSS, C++, C#, Java, Java FX, MySQLi, PHP, MySQL, NoSQL, React, React Native, Next.js and Python.
- Fluent in both Latvian and English.

CERTIFICATIONS

- Oracle Academy "Java Programming", 2022.
- Modern apprenticeship, SVQ Retail (Sales Professional), SCQF Level 6, 2022.
- Oracle Academy "Database Programming with SQL", 2022.
- Oracle Academy "Database Design", 2021.