Mohand Kessi . Jarvis Consulting

Experienced and versatile Web and Moblie Developer with a strong foundation in fullstack development, database design, and team collaboration. Skilled in leveraging modern frameworks and tools. I am seeking a dynamic role where I can contribute my expertise in programming, problem-solving, and innovative solutions to drive impactful projects.

Skills

Proficient: Java, Kotlin, C++, C#, C, Python, PHP, ASP.NET, Vue.js, Laravel, Angular, Spring Boot, Bootstrap, Linux/Bash (Arch, Ubuntu, Fedora, Debian, Mint, Manjaro, Redhat..), RDBMS/SQL (MySQL, PostgreSQL, MariaDB), RESTful APIs, Agile/Scrum, Git, Docker

Competent: C, RUST, COBOL, DB2, TypeScript, Windows Server, Raspberry PI, Arduino, WebSockets, Microservices Architecture, Ruby, Unreal Engine & Unity

Familiar: Azure Dev Ops, Figma (UI/UX Design), React.js, Kubernetes, NoSQL Databases (MongoDB), AWS (Amazon Web Services)

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_demo

Cluster Monitor [GitHub]: This project is designed to monitor and log hardware specifications and usage metrics for a set of Linux servers. The project automates data collection and storage using shell scripts, PostgreSQL for data storage, and Docker for isolation.

Core Java Apps [GitHub]:

- Stock App: Stock App is a powerful and intuitive platform designed for users to interact with real-time stock market data. It seamlessly integrates with the Alpha Vantage API to fetch live stock quotes, enabling users to track market trends and make informed decisions. With Stock App, you can simulate real trading by setting a fictional balance and managing stock positions—buying and selling shares just like in the real market. Whether you're an aspiring investor looking to sharpen your skills or a trading enthusiast wanting to test strategies without financial risk, this app provides the perfect training ground.
- Grep App: Grep is a Java application that recursively searches for a given regex pattern in files within a specified directory. It reads lines from all files, filters the lines matching the pattern, and writes the result to an output file. This implementation utilizes Java Streams and Lambda experssions to enhance readability and performance

Student Registration System [GitHub]: This project is a comprehensive COBOL-based system for managing student records, providing functionality for adding, querying and reporting on student information.

Highlighted Projects

Progression [GitHub]: Progression is an open-source website to learn and exercice programming skills, I led a team in designing and implementing a complete user profile system, including both frontend and backend development. Utilized Vue.js for dynamic user interface, with PHP and Laravel handling the backend logic. Data was structured using JSON and stored efficiently in an SQL database.

Blitz [GitHub]: Blitz is a mobile application developed in Kotlin with Compose that allows you to check bus schedules in real-time. Additionally, it displays a Google Maps map with bus stops to help you plan your trips easily.

MediClic: A comprehensive web application designed to streamline medical appointment scheduling for both patients and clinic personnel. Built using Java EE for the backend and Angular for the frontend, MediClic offers a user-friendly interface, real-time appointment management, and secure patient data handling to enhance the efficiency of healthcare services.

VMemory: VMemory is an engaging memory game where players flip cards and match pairs by remembering their positions. The frontend is built with HTML, CSS, and Javascript for a smooth and interactive user experience. The backend, implemented using Spring Boot and SQL, handles score tracking and leaderboard management, ensuring a competitive and dynamic gameplay experience.

Professional Experiences

Software Developer, Jarvis (2020-present): Contributed to real-world software development projects as a junior engineer, collaborating with senior developers to design, implement, and optimize solutions. Gained hands-on experience in full-stack development, debugging, and performance enhancement while working on diverse applications.

Software Developer, GoConnexions (2024-2024): Developed the company's mobile application using Django for the backend and Flutter for the frontend. The app functions similarly to LinkedIn. Worked on implementing core features such as user authentification, profile management, and real-time interactions. Collaborated closely with the team to ensure a seamless user experience and scalable architecture.

Programming Tutor, Rosemont College (2018-2022): Hired as a salaried tutor to assist both teachers and students in learning Object-Oriented Programming (OOP). Provided one-on-one and group tutoring sessions, clarified complex programming concepts, and helped students improve their coding skills. Developed teaching materials, reviewed assignments, and guided students through debugging and problem-solving strategies to enhance their understanding of software development.

IT Technician, Staples (Bureau en Gros) (2018-2019): Provided technical support and repair services for computers under warranty, ensuring efficient diagnostics and resolution of hardware and software issues. Assisted customers by offering expert advice on IT products and services, helping them make informed decisions. Maintained and ensured the optimal functionality of internal equipement to support daily operations.

Education

Rosemont College (2019-2024), Computer Science, Web & Mobile Application Development - Two of my projects were showcased during open-house events to inspire prospective students. - Hired as a paid tutor to assist both students and faculty in programming.

Leonard-De Vinci (2016-2018), Computer science, IT Support Specialist

Miscellaneous

- Passionate Gamer, with experience building several custom PCs
- Intermediate chess player with a 1480 Elo rating
- Volunteer at Moisson Montréal, assisting with packing food and resources for underprivileged families