

Mohammad Ali Kazan

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

About Me

Energetic software engineer with 4 years building high-performing, user-focused applications. Curious, adaptable, and passionate about technology, solving complex challenges and delivering impactful solutions.

Experience

Software Engineer | Azentio Software | Hybrid, May 2022 – Oct 2025

- Built a cross-platform Ionic & Angular app for desktop and mobile, with custom UI components and optimized performance
- Debugged iOS & Android builds, improving stability and reducing crashes
- Authored SQL scripts and documentation supporting deployment pipelines, collaborating closely with QA for Agile releases
- Collaborated with and supported more than 10 banks, addressing issues, implementing new features, and providing production support
- Developed business customization features in the admin portal, enabling customers to configure field behaviors according to their needs
- Designed and implemented document reader and liveness detection features to enhance KYC client onboarding
- Built dynamic and reusable component behaviors to improve flexibility and maintainability across applications

Web Developer Intern | Vanrise Solutions | Remote, Oct 2021 – Nov 2021

- Completed training in AngularJS, ASP.NET MVC, HTML/CSS, JavaScript, and SQL Server
- Built mini-projects including console apps, client-side web apps, and database-integrated apps
- Developed dynamic student management applications with CRUD, search, and filter features, and created reusable AngularJS components, directives, and services
- Connected front-end apps to SQL Server using ADO.NET and stored procedures
- Applied OOP, MVC, and layered design principles in all projects

Technical Skills

- **Technologies/Tools:** Java, JavaScript, TypeScript, PHP, Python, Ionic, Angular, Ionic, C, HTML, CSS
- **Databases:** MySQL, SQL Server, Firebase
- **Software Methodologies/Tools:** Git, Jira, SVN, Android Studio, macOS
- **Data Analytics/Concepts:** Pandas, Matplotlib, Jupyter Notebook, Machine Learning, OOP, MVC, MVP, Data Structures, Graph Theory

Projects

- **Morning App – Android Studio (Java)**

- Developed a multifunctional Android app with To-Do list (CRUD + calendar, SQLite), customizable alarms, local music player with visualizations, voice-controlled navigation, and real-time weather using OpenWeatherMap API
- Implemented fragment-based architecture, reusable components, AsyncTasks for background tasks, OOP principles, layered design, and modern libraries (Glide, ButterKnife, MediaPlayer) for smooth UX

- **Spotify-Like Music App – Android Studio (Java, MVP)**

- Built a music streaming app with search, playlist management, offline playback, and user preferences stored locally (SQLite)
- Utilized RecyclerViews, fragment-based UI, asynchronous background tasks, and MVP architecture for maintainability, responsiveness, and dynamic content loading

- **Online Car Store System – Android Studio (Java) & Firebase**

- Created a mobile app for car browsing, booking, test-drive scheduling, and payments, with user registration and admin management
- Used Firebase Realtime Database for cars, users, bookings, and orders; integrated Firebase Authentication and cloud storage; applied MVC architecture and OOP principles for maintainable, scalable performance

- **Toy Store Website – PHP & MySQL**

- Developed a responsive online toy store with product catalog, detailed pages, shopping cart, and admin CRUD operations
- Managed user and product data in MySQL with tables for toys, categories, and manufacturers; implemented authentication, dynamic filtering, and reusable PHP components for scalability

Education

- **Master 2 in Data Science for Risk Analysis | Lebanese University | Sep 2021 – Sep 2022**

- Conducted Master's thesis research at Université Grenoble Alpes, France (Remote, Apr 2022 – Nov 2022) on "On Short-Term Load Forecasting Using Learning Techniques."
- Developed and evaluated machine learning models in Python to forecast energy consumption
- Cleaned and preprocessed large energy datasets by detecting outliers, resampling data, and engineering key features (temperature, presence, appliances, etc.)
- Compared multiple input combinations to identify the most influential factors affecting energy consumption
- Implemented and tested Bidirectional LSTM (Bi-LSTM) models for improved temporal forecasting accuracy, visualized model performance and insights using Matplotlib and Jupyter Notebook
- Documented methodology, experiments, and results, and presented findings to the professors

- **Bachelor's in Computer Science | Lebanese University | Sep 2016 – Sep 2020**

Languages

- Arabic (native)
- English (fluent)