Ali Rida Darsa

Full Stack Developer

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PROFILE

Full Stack Developer, I have a solid background in building web applications with Java and Spring Boot for the backend, as well as with React, .NET, and Flask. My interests span the full stack from sculpting user interfaces to API and database design. Along the way, I have taken on team leadership roles, handled code reviews, and managed project workflows. I am passionate about creating friendly user experiences with the systems and solutions I build, optimizing them for scalability and performance while solving real-world challenges leveraging new tools.

SKILLS

Frontend Development
- **Languages:** HTML, CSS, SCSS, JavaScript, TypeScript
- **Frameworks/Libraries:** React.js, Three.js, Vite
- **UI Libraries:** Bootstrap, Material UI, Tailwind CSS

Backend Development
- **Languages:** C#, Java, Python
- **Frameworks:** Spring Boot, Spring Framework, ASP.NET ⌗ Core, Flask
- **Data Access:** Spring Data JPA, Hibernate
- **API & Authentication:** RESTful APIs, Spring Security, ASP.NET ⌗ Identity, Firebase Authentication
- **Testing:** JUnit, Mockito
- **Tools:** Postman, Swagger

Databases
- **Relational:** Microsoft SQL Server, MySQL, PostgreSQL, SQLite, Azure SQL
- **NoSQL:** Firebase Firestore

DevOps & Tools
- **Version Control:** Git, GitHub
- **Containerization:** Docker
- **CI/CD:** Azure DevOps (CI/CD Pipelines)
- **Cloud Platforms:** Azure (for Application Deployment)

Mobile & Game Development
- **Mobile:** Android Development (Java/Kotlin), Android Studio
- **Game:** C#, Unity

Project & Team Collaboration
- **Methodologies:** Agile Methodologies, Scrum, Kanban
- **Tools:** Trello, GitHub Projects, Azure DevOps, Jira
- **Practices:** Code Reviews, Task Management, Documentation

PROFESSIONAL EXPERIENCE

MacroVision Tech Agency ⌗   01/2025 – 04/2025
Frontend Development Intern   Beirut, Lebanon
- Developed and maintained the company's website using React.js, focusing on responsive design and usability.
- Built and optimized reusable UI components for performance and scalability.
- Integrated RESTful APIs to deliver dynamic and interactive user experiences.
- Enhanced overall UI/UX, improving accessibility and boosting user engagement across devices.

EDUCATION

University of Sciences & Arts Lebanon 🖉
Computer Science
GPA: 3.03
Key Coursework: Advanced Data Structure, Software Engineering and related studies.

09/2022 – 07/2025
Haret hrek, Lebanon

PROJECTS

PurrfectMatch 🖉

2025

Pet Adoption Website
Developed a comprehensive pet adoption platform connecting animal shelters with potential adopters using modern web technologies. Built scalable .NET 8 Web API backend with Clean Architecture pattern featuring 21 REST controllers, JWT authentication, and Entity Framework Core with SQL Server database. Created responsive React 19 frontend with TypeScript and Material-UI components utilizing Redux Toolkit for state management. Implemented real-time communication via SignalR for instant notifications, Stripe payment integration for donations, and advanced pet search functionality with filtering capabilities. Established robust DevOps pipeline with Azure CI/CD, comprehensive xUnit testing, and automated deployment workflows.
Key Technologies: .NET 8, React 19, TypeScript, Material-UI, Redux Toolkit, Entity Framework Core, SQL Server, SignalR, Stripe API, Azure Pipelines

Seloger Real Estate Investment Analyzer

2025

Multi-Threaded Property Scraper & Investment Analysis Platform
Developed a sophisticated multi-threaded property investment analysis platform that scrapes and analyzes French real estate data from Seloger.com 🖉 . Implemented comprehensive investment calculators for Airbnb revenue prediction, rental yield analysis, and undervalued property identification across multiple French markets. Built high-performance web scraping system with token bucket rate limiting and concurrent processing achieving 30-70x speed improvements. Integrated advanced geospatial analysis using KDTree indexing and Haversine distance calculations for neighborhood comparisons and automated Excel report generation with detailed ROI projections and 3-15 year growth models.
Key Technologies: Python, Pandas, NumPy, SciPy, ThreadPoolExecutor, Geopy, RESTful APIs, Multi-threading, Data Analysis

Bank Management System | Java Application

2022

Developed a comprehensive banking application using Java and Swing GUI framework featuring complete account management, transaction processing, and client services. Implemented object-oriented design with abstract classes, inheritance, and polymorphism to support multiple account types (Credit/Debit). Built secure authentication system with PIN protection, custom exception handling, and real-time transaction tracking. Utilized serialization for data persistence and created intuitive user interface with 10+ GUI forms for seamless banking operations including deposits, withdrawals, transfers, and payment processing.
Key Technologies: Java, Swing GUI, Object-Oriented Programming, Exception Handling, Data Serialization

CERTIFICATES

Agile Foundations - Supportful 🖉
- Learned to design and implement Agile methodologies, specifically Scrum and Kanban, to optimize project workflows.
- Applied Jira for effective version management, task creation, and analysis of team performance metrics (e.g., speed/velocity).