

ANDREI DRAGOMIR

SOFTWARE ENGINEER

Contact Information:

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Professional Summary:

Dedicated Full Stack Developer with a strong background in computer science and hands-on experience in developing web and mobile applications. Proven ability to work with diverse technologies and collaborate with cross-functional teams to deliver high-quality solutions. Passionate about continuous learning and contributing to open-source projects.

Work Experience:

Duty Ventures, Full Stack Developer

April 2022 – Present

During my time at Duty Ventures, I had the opportunity to work on multiple projects for diverse clients across various industries. Below are some of the key projects I contributed to:

- **Telemed**
 - **Description:** Appointment app for healthcare centers, streamlining scheduling and patient management.
 - **Role:** Full-stack developer.
 - **Key Contributions:**
 - Implemented 2FA authentication using phone numbers and emails for secure user access.
 - Integrated third-party APIs such as DocuSign, Stripe, Calendly, and Google Meet to enhance functionality.

- Improved performance, scalability, and security throughout the development process.
 - Designed and developed the **Mobile UI** (React Native) and **Web UI** (Ruby on Rails).
 - Enhanced scheduling workflows and streamlined appointment tracking.
- **Tech Stack:** Ruby on Rails, React Native, PostgreSQL, Stripe, Heroku.
- **MedPrep ([Med Prep QCM+ pour la médecine](#))**
 - **Description:** Educational platform for medical students. Enables students to pay for and take practice tests in preparation for their final exams.
 - **Role:** Full-stack developer.
 - **Key Contributions:**
 - Enhanced and updated user and admin dashboards, adding improved data visualization and functionality.
 - Improved and modernized the payment system for seamless transactions.
 - Added new features and analytics charts to provide better insights for users and admins.
 - Modified and improved admin roles for better management of the platform.
 - Updated the overall UI to improve usability and user experience.
 - **Tech Stack:** Ruby on Rails, PostgreSQL.
- **DPA Services**
 - **Description:** Developed tools and solutions for a social media agency to optimize virtual assistant (VA) monitoring and automate workflows.
 - **Role:** Developer, automation specialist, and AI prompt engineer.
 - **Key Contributions:**
 - Created a Chrome extension to track notes for every client interaction, monitor VA performance, and synchronize data across VAs.
 - Developed automation scripts that mimic human behavior on social media and implemented **AI-driven texting features** to enhance client engagement.
 - Designed and optimized **AI conversation flows** using the **ChatGPT API**, enabling bots to communicate naturally with real people — acting as both an **AI integration specialist** and **prompt engineer**.
 - Automated applications and workflows using Puppeteer for web scraping and task automation.
 - Utilized reverse engineering to analyze and automate third-party applications and workflows.
 - Built robust tools for data analysis, including detailed charts and tables for performance monitoring.

- Directly interfaced with APIs to save time and reduce human errors in workflows.
 - Designed and developed custom web pages using Vue.js, Tailwind, and Next.js.
 - Built a script scheduler with Nest.js for automating recurring tasks.
 - Integrated Stripe for payment processing solutions.
 - Leveraged Firebase and Retool for efficient and scalable solutions.
 - Managed and coordinated with multiple teams to ensure project success.
- **Tech Stack:** Puppeteer, Nest.js, Docker, Tailwind, Next.js, PostgreSQL, Firebase, ChatGPT API.
- **Internal Innovation Web Platform for Colgate-Palmolive**
 - **Description:** Internal management software for optimizing business processes within the organization.
 - **Role:** Backend and frontend developer.
 - **Key Contributions:**
 - Optimized the database by **improving query performance**.
 - Added new features to extend system capabilities.
 - Built new UI components to enhance the user interface.
 - **Tech Stack:** Django, PostgreSQL, React, Material UI
- **Internal Platform for Excavation Company**
 - **Description:** A custom internal platform to streamline operations for an excavation company previously reliant on spreadsheets and disjointed third-party tools.
 - **Role:** Full-stack developer.
 - **Key Contributions:**
 - Replaced fragmented spreadsheet workflows with a centralized Rails platform tailored to company needs.
 - Designed and implemented core features for managing people, projects, and operational data.
 - Deployed the application using **Docker** on the company's own server.
 - Configured and integrated with the company's **mail server** to enable notifications and communication.
 - Simplified operations by consolidating multiple tools into a single application.
 - **Tech Stack:** Ruby on Rails, Docker, PostgreSQL, TailwindCSS, Heroku (initial deployment).

NTT Data, SAP-ABAP Intern

September 2021 – December 2021

During my internship at NTT Data, I worked on enterprise software development for the energy sector, gaining hands-on experience with SAP-ABAP and collaborating with clients to deliver robust solutions. Key project details:

Gas Station Cash Register Software

- **Project:** A custom cash register system designed for gas stations to streamline sales operations and reporting.
- **Role:** SAP-ABAP developer.
- **Key Contributions:**
 - Developed modules for managing sales transactions, inventory, and daily reporting.
 - Collaborated with clients to gather requirements and ensure seamless integration with existing systems.
 - Optimized system performance by refactoring ABAP code for efficient database operations.
 - Implemented error handling and debugging processes to enhance system reliability.
 - Gained practical experience with enterprise software development workflows and client interactions.
- **Tech Stack:** SAP-ABAP.

TerraConnect, Android Developer Intern

June 2021 – August 2021

As an Android intern at TerraConnect, I contributed to the development of a mobile application designed to bring sports enthusiasts together. My role involved front-end development, UI/UX enhancements, and team collaboration. Key project details:

Social Sport App

- **Project:** Android application aimed at connecting sports enthusiasts, enabling them to organize and join sports events.
- **Role:** Android developer focused on front-end and user interface design.
- **Key Contributions:**
 - Designed and implemented key UI components to enhance user experience and engagement.
 - Collaborated with team members to ensure consistent design and functionality across the application.
 - Optimized app performance for seamless interactions.
 - Assisted in implementing responsive layouts and animations to improve user interaction.
- **Tech Stack:** Kotlin, Android Studio, Firebase.

Education:

Babes-Bolyai University, Cluj-Napoca

B.Sc. in Computer Science (2019 – 2022)

Axente Sever Theoretical High School

Intensive Programming Class (2015 – 2019)

Certifications:

- Oracle Academy – Database Design and Programming with SQL
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Technical Skills:

- Programming Languages: Ruby, JavaScript, Typescript, Java, Kotlin, Python, Solidity, C/C++, C#, ABAP, Prolog, Assembly, Rust
 - Tools: Puppeteer
 - Frameworks: ReactJS, React Native, Django, Ruby on Rails, Qt, NestJs, NextJs
 - Version Control: Git, GitHub
 - Services: AWS, Heroku, Firebase
 - Database: SQL Server, SQLite, PostgreSQL
 - Linux: Shell, Bash, SSH
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Personal Projects:

WallApp – Android App for Wallpapers

- Developed in Java, this app offers a collection of wallpapers for Android devices.

Exchange Rate and Converter WebApp

- Developed using JavaScript to enhance financial education by providing real-time exchange rate information.

The Collaborator

- A **Web3** app that rewards **open-source contributors** from GitHub with **tokens** and **NFTs**, encouraging community engagement and contribution to the open-source ecosystem.

InstaMetrics

- A web app for **monitoring Instagram profile performance**, providing insights and analytics to optimize social media strategy.
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Soft Skills:

- Problem-Solving
- Team Collaboration
- Effective Communication
- Project Management