

Andrei Dorin Mihaila



DEVELOPER & COMPUTER SCIENCE SPECIALIST

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Full stack Developer with 3+ years expertise in Web and Digital Solutions. Specializing in the creation and debugging of scalable applications and platforms ensuring high code quality and continuous improvement.

KEY COMPETENCIES

- **Languages:** TypeScript, JavaScript, Python
- **Frameworks/Libraries:** Next.js, Angular, React, Express, Redux, RxJS, Tailwind CSS
- **Cloud Services:** AWS (S3, EC2, Lambda), MongoDB
- **Testing & Debugging:** Karma, SonarQube, Chrome DevTools

LANGUAGES

- English C1
- Spanish B2
- Romanian C2

PROFESSIONAL EXPERIENCE

Frontend Developer | Angular & RxJS Specialist

Jul 2022 - Present · 2 yrs 2 mos

BCR - Romanian universal bank

- Developed and maintained the MAP frontend using Angular 16, RxJS, SCSS, and TypeScript, boosting delivery efficiency by 30%. Integrated backend services via BFF architecture, ensuring smooth client-server communication. The platform is used across all Romanian banking branches, streamlining advisory services nationwide.
- Ensured 99% MAP availability by improving code quality (SonarQube), preventing memory leaks (RxJS), running tests (Karma), and performing full stack debugging and API validation (Chrome DevTools, OpenAPI generator).
- Implemented microfrontend architecture using module federation, allowing independent deployment that improved scalability and reduced deployment times by 40%.
- Pioneered the architecture of a reusable components library from scratch using Angular Material, standardizing UI components across the platform and increasing development consistency across the whole lab by more than 50%.
- Mentored junior developers and conducted technical inductions, ensuring seamless integration into the team and providing essential knowledge about the application architecture and best practices.
- Led K8s releases, performed OpenShift health checks, managed Docker orchestration, and documented releases in Confluence, ensuring smooth deployments and platform stability.

Full Stack Developer | Digital Transformation & Data Integration

Oct 2020 - Jun 2022 · 1yrs 8mos

Trilogy Optic - E-commerce Platform

- Developed a digital platform using MERN stack (MongoDB, Express, React, Node.js), Redux, Docker.
- Designed login, signup, product and inventory management (TypeScript & JavaScript) and payment (PayPal API).
- Automated real-time updates for 4,000 products (Python, Selenium WebDriver) and led the migration to Shopify, scaling the platform for over 10,000 product photos. Built custom Shopify apps, automated inventory synchronization via APIs, and optimized store performance, increasing mobile traffic by 40% and boosting conversions by 12%.

EDUCATION

Bachelor's degree in Computer Science

2020 - 2023

Faculty of Economic Cybernetics, Statistics, and Computer Science, ASE Bucharest

- Graduated with Excellence in 13 classes, achieving a 9.66/10 on the Final Thesis: developed a full-stack NFT marketplace application for blockchain using Next.js, Tailwind CSS, and MetaMask, Solidity, Ganache, Truffle.

PROJECTS

Invoice Automation Application | eFactura Integration

Jul 2023 - Present · 1 yrs 3 mos

OpenSource Collaboration

- Designed and developed an invoice automation app from scratch using Electron and React, integrated with Romania's eFactură service. Converted over 4,000 XML invoices to Excel format, streamlining compliance and reducing manual entry time by 80%.
- Implemented OCR functionality (Python, Vertex AI) to convert legacy PDF invoices, supporting the migration of over 10,000 invoice records.
- Utilized AWS (Lambda, API Gateway, DynamoDB) for license validation and data storage, ensuring scalability and improving data processing efficiency by 50%.