



Robert Nicolae Floria

Software Engineer | React.js, React Native (Expo), Node.js, TypeScript, AI Integration

Personal Info

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📍 Cluj-Napoca, Romania

Skills

Frontend | React.js, React Native (Expo), TypeScript, Redux Toolkit, React Query, React Context API - Experienced

Backend | Node.js, NestJS, Express.js, ASP.NET Core, Transact-SQL - Experienced

CI/CD | GitHub Actions, Jenkins, Firebase Hosting, Railway, Docker, AWS S3 - Experienced

AI Integration | OpenAI API, MCP Servers, GitHub Copilot, Prompt Engineering - Experienced

Tools | GitHub, Jira, Confluence - Experienced

Education

- **Bachelor (Software Engineer)**
Technical University of Cluj-Napoca
Oct 2018 - Oct 2022

Summary

Innovative Software Engineer with **3+ years of experience** in building scalable web and mobile applications using **React.js, React Native (Expo), TypeScript, Node.js, ASP.NET Core**, and **AI-powered features**. Skilled in **CI/CD automation (GitHub Actions, Jenkins)**, **cloud deployments (Firebase, Railway, AWS)**, and **containerization (Docker)**. Passionate about delivering high-performance, user-centric solutions and driving AI adoption in modern development workflows.

Work Experience

Software Developer, Transilvania Bank, Cluj-Napoca

September 2022 - Present

- Led **frontend development** in my team for React.js apps using TypeScript/JavaScript.
- Implemented **CI/CD pipelines** with Jenkins, reducing deployment time by **30%**.
- Contributed to **ASP.NET Core backend**, applying SOLID principles and clean architecture.
- Organized **AI workshops**, promoting GitHub Copilot and MCP servers for development acceleration.

Software Developer, Freelance (Contract)

August 2025 - Present

- Delivered **cross-platform mobile apps** with React Native (Expo), published on **Google Play** and **App Store**.
- Implemented **OAuth 2.0 authentication** via Firebase for Google and Apple sign-in.
- Integrated **In-App Purchases (IAP)** with **Google Pay** and **Apple Pay** for subscription models.
- Built **full-stack web applications** using **React.js** for frontend and **Node.js/NestJS/Express.js** for backend.
- Designed and optimized **relational databases** with **MySQL** and **Transact-SQL** for secure, scalable data handling.
- Automated deployments using **GitHub Actions**, **Firebase Hosting**, **Railway**, and **Docker** for containerized backends.

Languages

English - Very Good

Romanian - Native Speaker

- Provided **end-to-end solutions**, including **branding, UI/UX design, and CI/CD setup** for clients.

Key Projects

Mental Health Mobile App – React Native (Expo) + AI Assistant

- Built a **cross-platform app** with React Native (Expo), deployed on **Google Play & App Store**.
- Integrated **AI chatbot** using OpenAI API for personalized mental health guidance.
- Implemented **secure authentication** (OAuth for Google & Apple) and **payment system** (Google Pay, Apple Pay, IAP).
- Deployed backend on **Railway** with **Docker containers**, integrated **AWS S3** for media storage and **Firebase** for notifications.
- Achieved **99.9% uptime** and optimized app performance for **fast load times**.

AI Adoption Initiative for Frontend Teams (React.js, GitHub Copilot, MCP Servers)

- Led a company-wide program to integrate **AI tools into development workflows**, improving productivity and reducing boilerplate code.
- Developed a **custom demo app and PowerPoint Presentation** demonstrating **Copilot-assisted coding, Figma-to-code automation**, and **interactive AI use cases** for React developers.
- Conducted **technical workshops** and presentations, positioning the team as early adopters of AI-driven development.
Impact: Accelerated frontend development processes and improved code quality across multiple teams.
- [Demo Code](#)

Guaranteed Loan Management System (React.js, ASP.NET Core, SQL Server, CI/CD)

- Designed and implemented a **microservices-based platform** for managing secured loans, ensuring compliance and operational efficiency.
- Automated **loan origination, risk scoring, and repayment tracking**, reducing manual workload by **40%**.
- Built **CI/CD pipelines** using **GitHub Actions** and **Jenkins**, enabling fast and reliable deployments.
Impact: Delivered a robust financial system used in production, strengthening expertise in regulated environments and scalable architectures.

Personal Portfolio App (React.js, Node.js, Express.js, Material UI)

- Developed an **interactive portfolio web app** to showcase projects and services.
- Implemented **responsive UI**.
- Deployed on **Heroku** with **Dockerized backend**, ensuring smooth performance and scalability..

Courses

React Native Certification, Meta via Coursera

January 2024 - March 2024

Soft Skills

**Technical Leadership | Mentoring & Coaching | Communication |
Problem Solving | Adaptability | Continuous Learning**