

# Subțirelu Mihail Gabriel

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## 🧠 Professional Summary

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Senior Full-Stack & AI Engineer with 12+ years of experience designing, building, and scaling high-performance web, mobile, and AI-powered systems.

Strong expertise in:

- AI-driven systems (LLMs, voice agents, automation platforms)
- Scalable SaaS and B2B architectures
- Full-stack engineering (React, Node.js, Python)
- Real-time communication systems
- Cloud infrastructure and DevOps

Known for fast execution, strong product thinking, and the ability to turn complex ideas into working systems rapidly (POCs → production).

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## 👛 Current Experience

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### Webtron Future Solutions (Freelance) — Remote

**Owner - Senior Full-Stack AI & Software Developer** *Oct 2016 – Present*

- Architected and developed scalable SaaS platforms across multiple industries
- Built AI-powered systems including automation pipelines, integrations, and intelligent workflows
- Delivered full-stack applications using React, Next.js, Node.js, Python, Golang
- Developed mobile applications (React Native) for B2B use cases
- Designed cloud infrastructure and CI/CD pipelines (AWS, DigitalOcean)
- Integrated complex third-party systems (Stripe, messaging APIs, analytics tools)
- Worked directly with clients from idea → architecture → production
- Rapidly built MVPs and POCs to validate product ideas
- Focused on performance, scalability, and clean architecture

**Tech Stack:** Python, TypeScript, React, Next.js, Node.js, NestJS, GoLang, OpenAI, Google Gemini, Docker, Datadog, React Native, AWS

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## Professional Experience

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### Avochat — Remote

**Co-Founder & Full-Stack Developer** *Nov 2020 – Jul 2022*

- Co-founded and built a real-time communication platform for lawyers and clients
- Developed a **chat-based monetization system**, enabling payments directly within conversations
- Implemented **secure file sharing with paywall access control**
- Built a full CMS platform for lawyers:
  - Client management
  - Task management
  - File storage
  - Messaging system
- Designed real-time communication using WebSockets
- Implemented notifications system using Firebase
- Integrated Stripe (including Express Connect for providers/lawyers payouts)
- Built scalable backend using Strapi and AWS cloud services

**Tech Stack:** React.js, Next.js, WebSockets, Node.js, Strapi, AWS, Firebase, Stripe

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### Wyndy — USA

**Senior Frontend Engineer** *Mar 2021 – Jan 2023*

- Developed and maintained a high-traffic platform serving thousands of users
  - Built scalable and performant frontend systems using React
  - Collaborated with backend teams (Rust) for seamless API integrations
  - Enhanced React Native mobile applications
  - Improved performance, maintainability, and developer experience
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### Recomedica (Add Health Company) — Bucharest

**Co-Founder & CTO** *Jan 2018 – Mar 2022*

- Co-founded and led the technical vision of a digital healthcare platform focused on medical second opinions and patient support
- Designed and delivered two core platforms:

#### **Recomedica Free**

- Built a free second-opinion platform connecting patients with volunteer doctors
- Enabled patients to receive guidance and medical insights for their conditions

- Pioneered one of Romania's first **COVID-19 home monitoring and guidance platforms**, helping patients track symptoms and receive remote medical support during the pandemic

### **Recomedica PRO**

- Developed a premium, multi-disciplinary second opinion platform
- Designed structured patient journeys for complex medical cases
- Built a **multi-layer communication system** enabling collaboration between multiple doctors and patients within the same case
- Supported secure data sharing, medical records, and asynchronous communication flows
- Architected the full system (frontend, backend, infrastructure) from the ground up
- Built scalable APIs and backend services using Node.js and Strapi
- Designed and managed cloud infrastructure and DevOps pipelines (AWS)
- Integrated secure payment systems (Stripe)
- Led product development lifecycle from idea → MVP → production
- Collaborated closely with stakeholders, doctors, and product teams to align technical solutions with real-world medical needs

**Tech Stack:** Node.js, Strapi, AWS, React.js, TypeScript, NoSQL, Docker, Stripe

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## **MetroSystems — Bucharest**

**Senior Frontend Developer** *Mar 2018 – 2020*

- Led frontend architecture for enterprise applications
  - Built scalable UI systems using React and Redux
  - Improved performance and modular architecture
  - Collaborated closely with backend teams
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## **Rinftech — Bucharest**

**Senior Frontend Developer** *Oct 2016 – Mar 2018*

- Developed modern React-based applications
  - Improved UI performance and maintainability
  - Contributed to architectural decisions
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## **DeviceHub / OpenFleetLabs — Bucharest**

**Senior Frontend / Full-Stack Engineer** *Mar 2016 – Oct 2016*

- Part of a highly specialized team of 5 engineers building IoT and transportation systems
- Contributed to the development and improvement of the DeviceHub platform for device management and real-time data monitoring

- Key contributor to a **government contract** for implementing a full public transportation monitoring and ticketing system for **ETA Bus (Râmnicu Vâlcea)**
- Designed and implemented a complete end-to-end solution from scratch:

#### **Ticket Validation System (Buses)**

- Developed hardware-integrated validation devices installed inside buses
- Built systems for validating tickets and subscriptions in real-time

#### **POS Systems for Ticketing & Subscriptions**

- Created POS devices using Windows Embedded systems
- Integrated:
  - Card writers (subscription cards)
  - Receipt printers
  - Identity card scanners (for capturing and printing user photos on transport cards)
- Implemented full payment flow with receipt generation

#### **Ticket Vending Machines**

- Designed and built a self-service ticketing machine from scratch
- Developed the UI using Electron + React
- Integrated with low-level hardware via C++ services managing:
  - Payment flows
  - Hardware communication
  - Multi-queue processing for reliability and concurrency
- Built real-time dashboards and tools for monitoring transportation systems and devices
- Worked across frontend, backend, and hardware integration layers
- Ensured system reliability for production environments used by the public

**Tech Stack:** React.js, Electron, Node.js, Python, C++, MySQL, Docker, IoT systems, Windows Embedded

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## **WowApp — Bucharest**

**Senior Frontend Developer** *Feb 2016*

- Delivered features for a large-scale social platform
  - Worked in fast-paced, high-pressure environment
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## **Ari Matrix — Bucharest**

**Senior Frontend / Full-Stack Developer** *Sep 2015 – Feb 2016*

- Part of a team of 6 developers building **AriLove**, a matchmaking platform focused on compatibility-driven relationships
- Developed the platform from scratch, contributing across frontend, backend, and system architecture

- Built a **complex questionnaire system (300+ questions)** designed to evaluate personality traits, preferences, and behavioral patterns
- Collaborated with a team of 50+ psychologists who designed the matching methodology and scoring system
- Implemented features that enabled **high-accuracy matchmaking (80%+ compatibility scoring)**
- Contributed to:
  - Frontend development (user flows, forms, UX for long-form questionnaires)
  - Backend services and APIs
  - System architecture and technical decisions
  - Product brainstorming and feature design
- Focused on performance, usability, and ensuring a smooth experience despite complex data input flows

**Tech Stack:** JavaScript, React.js, Node.js, HTML5, CSS3, REST APIs

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## **Earlier Career**

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### **Kalon Global Group — Bucharest**

**Frontend Developer** *Nov 2014 – Sep 2015*

- Developed scalable frontend architecture for enterprise-level web applications
- Built reusable UI components and improved maintainability across projects
- Created rapid prototypes and transitioned them into production-ready systems
- Collaborated closely with backend teams to define APIs and data flows
- Contributed to improving development workflows and tooling

**Tech Stack:** JavaScript, React.js, SCSS, Node.js, Webpack, Babel

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### **XL Team — Bucharest**

**Frontend Developer** *Aug 2014 – Nov 2014*

- Delivered multiple client projects end-to-end, from concept to deployment
- Participated in both product design and development phases
- Built responsive, user-friendly interfaces optimized for performance
- Worked with diverse tech stacks depending on project requirements

**Tech Stack:** JavaScript, HTML5, CSS3, SCSS, Node.js, Backbone.js, Gulp.js, WordPress, MongoDB, MySQL

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## Digital Star (Leo Burnett) — Bucharest

**Senior Web Developer** *Aug 2013 – Jul 2014*

- Developed interactive web applications and Facebook-based marketing apps
- Contributed to award-winning digital campaigns for major brands
- Collaborated with design and marketing teams to deliver high-impact user experiences
- Worked on high-visibility projects with strict deadlines and performance requirements
- Helped the agency achieve *Best Agency of the Year (2014)* recognition

**Tech Stack:** JavaScript, HTML5, CSS3, SCSS, LESS, Node.js, Gulp.js, WordPress, CodeIgniter, jQuery, Facebook SDK

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## Romnet Creative — Bucharest

**Web Developer** *Mar 2013 – Aug 2013*

- Developed full-stack web applications tailored to diverse client requirements
- Evaluated and selected appropriate technologies based on business needs
- Built and maintained CMS-based and custom PHP applications
- Delivered scalable and maintainable solutions across multiple industries

**Tech Stack:** PHP, MySQL, JavaScript, HTML5, CSS3, WordPress, CodeIgniter, OpenCart, CakePHP, jQuery

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## GCNTV.net

**Web Developer** *Jul 2012 – Mar 2013*

- Designed and built a video streaming platform from scratch targeting US audiences
- Implemented secure payment integrations (First Data)
- Optimized platform performance and scalability for high traffic loads
- Developed a custom PHP framework to accelerate feature delivery and maintain flexibility
- Worked on video delivery optimization and backend performance tuning

**Tech Stack:** PHP, MySQL, JavaScript, CSS, CakePHP, jQuery, First Data SDK

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## Dezibel Media

**Web Developer** *Jun 2012 – Jul 2012*

- Developed eCommerce platforms and custom web applications
- Maintained and improved legacy PHP applications
- Enhanced application security and performance
- Delivered features under tight timelines for multiple clients

**Tech Stack:** PHP, MySQL, JavaScript, CSS, OpenCart, osCommerce, jQuery

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## Ipsos Interactive Services

**Frontend Developer & QA Engineer** *Jun 2011 – Jun 2012*

- Developed interactive online surveys used in global research projects
- Ensured cross-browser compatibility and high data accuracy
- Performed QA testing and validation of complex survey logic
- Collaborated with international teams to deliver reliable data collection platforms
- Improved survey performance and user experience

**Tech Stack:** JavaScript, HTML, CSS, jQuery, ConfirmIT

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## Technical Skills

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**Frontend:** JavaScript (ES6+), TypeScript, React.js, Next.js, Redux, React Native, HTML5, CSS3, SCSS

**Backend & AI:** Node.js, NestJS, Python, Golang, LLM Integrations, AI Agents, Automation Systems, Pydantic AI, REST APIs, GraphQL

**Databases:** MongoDB, PostgreSQL, MySQL, Cassandra

**Cloud & DevOps:** AWS (incl. Bedrock), Docker, CI/CD, DigitalOcean, LocalStack

**Tools:** Datadog, Jest, Webpack, Git

**Integrations:** Stripe, Twilio, LiveKit, OpenAI, ElevenLabs, Retell

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## Education

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**Romanian-American University – Computer Science & Management** *2008 – 2011*

**Romanian-American University – Law School** *2008 – 2012*

**“Nicolae Iorga” High School – Computer Science** *2004 – 2008*

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## Languages

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- Romanian – Native
- English – Professional (C1)
- French – Basic

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## Highlights

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- 12+ years experience in software engineering
  - Strong focus on AI systems, automation, and real-time platforms
  - Built voice AI, IVR systems, and conversational agents
  - Founder & CTO experience (multiple products)
  - Hackathon winner (3/4 participations)
  - Strong product mindset + rapid execution (idea → POC → production)
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## Personal

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- Enjoy brainstorming and rapidly building proof-of-concepts for new ideas
- Passionate about technology, automation, and system design
- Hobbies: LEGO building, outdoor activities, fishing, hardware tinkering