



## CONTACT

**Email** alexalghisi@gmail.com  
**Phone** +40 770 763 175  
**Web** linkedin.com/in/alghisi  
**Code** github.com/alexalghisi  
**Base** Cluj-Napoca, RO · remote (CET)  
**Status** EU citizen (Italian passport)

## SKILLS

### Frontend

React (Hooks, SSR), Redux, TypeScript, JavaScript ES6+, Next.js, AngularJS, HTML5/CSS3, Tailwind, Gulp

### Backend

Node.js (Express, NestJS), Python (Django, FastAPI), PHP/Laravel, REST, GraphQL, WebRTC, OAuth 2.0/JWT

### Data

PostgreSQL, MongoDB, Redis, pgvector, Pinecone, Elasticsearch

### AI / LLM

RAG, agents and tool calling, LangChain, Vercel AI SDK, OpenAI, Gemini, Claude, prompt evals

### Mobile

React Native (Expo), Flutter, iOS

### Systems & Ops

C++, AWS, Docker, CI/CD, Git, Linux and macOS (daily driver), AEM

## FREELANCE PROJECTS

### Collab

Video meetings with a shared, runnable code editor · github.com/alexalghisi/collab

### 8 live client sites

cabanly.ro, bremenauto.ro, grilleadmitere.ro, meditatiidirect.ro, optimcatering.ro, collaborare.ro, dcorentacarcluj.ro, etichetetextile.ro

## EDUCATION

### M.Sc. Software Engineering

Technical University of Cluj-Napoca · 2020–2022

### B.Sc. Computer Science

Babeş-Bolyai University · 2014–2017  
Thesis: Raspberry Pi router with an ML ad blocker

### Mathematics–Informatics

“Onisifor Ghibu” High School · 2014

## LANGUAGES

Italian native  
Romanian native  
English fluent (C1)  
French professional (B2)  
Spanish, Russian conversational

# Alessandro Paolo Alghisi

## Senior Full Stack Engineer

SENIOR · 11 YRS

React · TypeScript · Node.js · Python · PostgreSQL · AWS · LLM / RAG · ex-Google intern ×2

## PROFILE

Eleven years of production code, nearly all of it full stack: Node.js and Python on the server, React and TypeScript on the client. At Sector Labs I was part of the small team that built Bayut.com and Zameen.com from nothing to millions of monthly users. Before that I interned twice at Google, and my Chrome patch (pinch-to-zoom in the PDF viewer) still runs on hundreds of millions of devices. I grew up on competitive programming, two national Olympiad medals and 780+ solved problems, so I tend to measure before I optimise and think hard about edge cases. For the last three years I have also been shipping LLM features: RAG, copilots and agent workflows.

## ALGORITHMS & COMPETITIVE PROGRAMMING

- 2×** **Bronze Medal**, Romanian National Olympiad in Informatics, 2013 and 2014
- 780** **780+ problems solved**: infoarena 400, LeetCode 300, Timus 80
- 10** **10/10 in Informatics (C/C++)** on the Romanian Baccalaureate
- ★** **Prizes** at the Grigore Moisil, ITeam\_net and MindCoding inter-county contests

## EXPERIENCE

### Senior Full Stack Developer · Freelance (Contract)

Cluj, RO · Remote · Oct 2026 – Present

- Android and iOS field-service apps for a fire-safety maintenance firm: live GPS view of every technician, defect photos filed to the right client with location and timestamp, AWS backend and storage. Client websites in React, TypeScript and Node.js.

### Senior Full Stack Developer · Raw Geeks

Cluj, RO · On-site · Jan 2026 – Sep 2026

- Led full stack and AI features on React (Hooks), TypeScript and Node.js apps built on Gulp; drove the AngularJS-to-React migration and took part in architecture decisions.
- Chat copilots, smart search and content generation with the Vercel AI SDK (OpenAI, Gemini): streaming, tool calling, structured JSON. RAG on pgvector and Pinecone with a prompt-eval harness that kept answer quality stable between releases.

### Senior Full Stack Developer · Complaion

Milan, Italy · Hybrid · May 2025 – Dec 2025

- Python (FastAPI) REST services on PostgreSQL and React + TypeScript front ends for a regulated compliance platform; OAuth with Google and Microsoft Entra ID, file sync with OneDrive, SharePoint and Google Drive.
- LLM pipeline extracting and classifying regulatory documents against strict JSON schemas with human review; agentic tool calling so compliance officers query policy data in plain language.

### Senior Video & Full Stack AI Consultant (Contract) · Freelance

Remote · Sep 2024 – Sep 2025

- Built Collab, a Zoom-style app in React / React Native (Expo) + TypeScript over WebRTC with a shared Monaco IDE (live cursors, run JS/TS/Python/Go/C++); Zoom Video SDK and Cisco Webex POCs plus the SOC 2, licensing and scale evaluation.
- RAG (OpenAI embeddings + pgvector) and LangChain agents that cut client support response time ~60%; Node.js/Express and Python services; React SSR redesign that lifted engagement ~50%; AEM components (HTL, Sling, OSGi).

### Full Stack Engineer · Sector Labs (Bayut.com, Zameen.com)

Cluj, RO · Sep 2017 – Mar 2024

- Part of the small senior team that built Bayut.com, Zameen.com and other property portals from scratch and scaled them to millions of monthly users.
- Led the React / Redux / TypeScript front end with SSR: core features, render and bundle performance, Redis caching on the hottest pages.
- Node.js and Django services on PostgreSQL, MongoDB and AWS; kept the legacy PHP/Laravel platform in sync while migrating it to Node.js, Python and React.

### Senior Software Engineer · Hewlett Packard Enterprise

Cluj-Napoca, RO · Feb 2017 – Sep 2017

- LoadRunner's C++ web-protocol engine (VuGen): features and client defect fixes, cookie and session-correlation bugs traced with Wireshark; ~25% efficiency gain.

### Software Engineer Intern · Google, Logs

Mountain View, CA, USA · On-site · Aug 2016 – Nov 2016

- Release-safety system wired into Google's release framework; C++ tool deciding if a policy is safe to ship from rule presence and ratios; logging prototype ~15% faster.

### Software Engineer Intern · Google, Chrome

Kitchener, ON, Canada · On-site · Jan 2016 – Apr 2016

- Pinch-to-zoom for Chrome's PDF viewer in C++ and JavaScript (touch events, zoom/pan linear algebra), merged in Chromium (codereview.chromium.org/1881603002).

### Software Developer Intern · Algotech Solutions

Cluj, RO · On-site · Jun 2015 – Aug 2015

- Node.js REST APIs, SQL, React and jQuery; my first production React/Node code.

### Software Engineer Intern · Yardi Systems

Cluj, RO · On-site · Jan 2015 – Mar 2015

- Perl tooling and web features for real-estate data systems.