

Daniel Ilin

Full Stack Engineer

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Heilbronn, Germany (Open to Remote/Hybrid)


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About Me

Full-stack dev and product engineer (5+ years). 42 Heilbronn grad. I detect trends early, execute fast, and sweat details, from clean UX to robust infra. Built MEME10 at 16, scaled PeerFinder to 3,000+ users, advised \$200M+ projects, and won hackathons (Škoda, IAA MOBILITY 2025). Currently learning Vue.js and Go.

Work Experience

Full Stack Engineer · Self-Employed · Haßloch, Germany Jul 2019 - Oct 2024

- 5+ years of self-employment in Full Stack Web Development, Blockchain, Online Marketing, and E-Commerce
- Designed, developed, and operated several web platforms, primarily in the FinTech/Blockchain space (Tech Stack: React, Next.js, Node.js, Express, MongoDB, Web3/ethers.js)
- Built and maintained a crypto listing platform with close to 1,000 listed projects
- Provided consulting and technical support for international crypto projects with market capitalizations exceeding \$200M
- Launched and scaled e-commerce projects (Shopify) with a focus on UX, conversion optimization, and online marketing
- Experience in digital product distribution, including the development of licensing and affiliate structures (e.g., music production)

Intern · Telekom MMS · Leinfelden-Echterdingen, Germany Jan 2017 - Feb 2017

- Strengthened Java programming fundamentals through hands-on exercises
- Introduction to version control (Git, GitHub, Sourcetree)
- Gained basic understanding of data center operations (redundancy, storage concepts, failure handling)
- Received insights into automotive-related IT (testing navigation and infotainment systems on hardware prototypes)

Projects

PeerFinder · peerfinder.org · Full-stack real-time campus tool connecting 3,000+ students to friends and events Mar 2024

- Realized that students from École 42 are walking around campus to find their friends
- Created 'PeerFinder', a full-stack web application that shows who is online, where they are located on campus, and in which events they are participating (Tech Stack: React, Chakra UI, Node.js, Express.js, 42 API)
- Used by more than 3000 students

SmartX Seniorenhandy · Award-winning senior-focused smartphone prototype that secured €10K in seed funding Dec 2018

- Engineered senior-friendly Android prototype using Java and Android SDK, implementing custom large-button layouts and assisted navigation features
- Conducted interviews with 10+ seniors, translating feedback into UI/UX improvements that boosted usability scores by 80%
- Wrote a 20-page business plan including market sizing, financial projections, and go-to-market strategy, securing €10K in seed funding
- Presented a 10-minute pitch to a panel of industry executives from Meta, Amazon, Daimler, and Commerzbank

MEME10 · Micro-content Android app Jan 2018

- Solo-developed a native Android app at age 16, which delivers new memes every 10 seconds
- Deployed via Google Play and organically drove 1,000+ installs among high-schoolers
- Anticipated the short-form content trend, and showcases full-lifecycle product development

Awards & Hackathons

Winner of Hackathon (IAA Mobility) Sep 2025

prototype.club

- Challenge: solving hit-and-run scenarios
- Developed a 'BlackBox' within 5 hours. Captures a full snapshot of the vehicle, activates exterior cameras, and sends the report in real time to emergency services, law enforcement and insurance
- Awarded winning solution, at IAA Mobility 2025 (world's largest mobility conference)

Winner of Hackathon (42 Prague) Oct 2024

Škoda Auto

- Developed a 'Interactive EV Range Map' for the MyŠkoda app. Provides drivers with a real-time visualization of their vehicle's range, factoring in current battery levels and highlighting nearby charging stations to simplify trip planning. Fixes 'EV range anxiety'
- Led the frontend part
- Won 1st place among 50+ international participants. Featured in a Škoda press release

Attendee of Hackathon (Top 10/400) Sep 2024

HackYeah

- Built 'CycloSafe' within 24 hours. Navigation app that calculates the safest cycling routes by weighting factors like traffic intensity, speed zones, road surface, and lighting
- Led the frontend part with React Native, focusing on map integration and route interaction
- Achieved almost Top #5 out of 400+ projects (2700 participants)

Education

42 Heilbronn | Certificate

Grad Sep 2025

Software Engineering

- Built a personal C library, custom printf, and file I/O functions
- Implemented algorithms for efficient sorting, plus a multithreaded simulation
- Created interactive apps: a 2D game, a 3D raycaster, and a Unix shell (Team project)
- Advanced into C++ (OOP, polymorphism, templates, STL) through 10 structured modules
- Gained system administration & networking experience with Linux, Docker, and by building an HTTP server (Team project)
- Completed 'ft_transcendence' (team project), a full-stack web application

Hannah-Arendt-Gymnasium Haßloch | High School Diploma

Grad Jan 2019

- Activities and societies: Robotics (Team 'Legomania') + School website team

Volunteering

Member · YouthPreneurs (Network for Young Entrepreneurs)

Sep 2017 - Jul 2019

- Network of young entrepreneurs under 18 years old
- Inspired children to pursue entrepreneurship and personal development by organizing exclusive workshops, seminars, and masterminds in Germany

Senior Member · Legomania (Robotics Club)

Mar 2015 - Aug 2018

- Attended various international robotic competitions such as FIRST® LEGO® League (FLL) and World Robot Olympiad (WRO)
- Coached and motivated our Junior members

Skills

Languages (Spoken): German (Native) · English (Full professional)

Frontend: React · Next.js · Vue.js · Chakra UI · Tailwind CSS · HTML5 · CSS3

Backend: Node.js · Express.js · Go

Databases: PostgreSQL · MongoDB · MySQL · SQLite

Programming Languages: JavaScript · TypeScript · Python · C · C++ · Java · Solidity

Mobile & Desktop: React Native · Expo · Android · Electron

Testing: Puppeteer · Selenium

DevOps: Docker · Kubernetes · Nginx · Vercel · Google Cloud Platform · Firebase

Tooling: ESLint · Prettier · Sentry

Links

Personal Website

ilindaniel.com