Fiona Roch

Senior Software Engineer

Full Stack Software Engineer with over 7 years of professional experience building apps from the ground up.

Contact

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About me

I'm a French Software Engineer based in Toulouse, France, with a strong attention to detail and a passion for building clean, robust, and bug-free code.

With a solid background in startups, I've created apps from scratch, focusing on lean development to ensure everything I build is useful and impactful. I care deeply about the quality of my work, quickly learn new technologies, and take full ownership of everything I do. I value radical candor, transparency, and efficiency. I thrive in remote-first teams and love solving complex problems and working on projects that make a positive difference.

I'm always happy and excited to learn new things!

Skills

Technical

- Proficient: Typescript, Javascript, Java, Kotlin, SQL, React, React Native, Vuejs, Angular, HTML/CSS, SASS, Less, Jest, Nodejs, Expressjs, Nestjs, SpringBoot, Rest, Graphql, AWS (RDS, Route53, Cloudfront, S3, EBS), Github, Gitlab, CI/CD, Git, Postgresql, Linux, MacOS
- Familiar: Python, C++, C#, C, Django, Heroku, Netlify, Terraform, Datadog, Amazon Code Build, Docker, Kubernetes

Collaboration and tools

- Writing functional and Technical Specifications, Scrum, Agile, Sprint planning
- Jira, Linear, Trello, Notion, Mixpanel, Google Analytics, Miro, Slack, Discord

Soft skills

- Strong attention to details, full ownership of tasks, highly adaptable, advocate for transparency, passionate about meaningful work, excellent communication with a focus on listening and understanding others' perspectives

Languages

- French (native), English (fluent), Korean (limited working proficiency), Japanese and Spanish (elementary)

Professional Experience

Founder   May 2024 - Ongoing
Filabs - Self employed   Remote (France)

- Omeet.io: Designed and implemented from scratch a web and mobile application using React Native, Typescript, Expo and NestJs to help expats and travelers connect and socialize with like-minded people.

- Consulting: Implemented and maintained web applications with Java, Kotlin, SpringBoot and React. Integrated with Merge.dev HR information systems, as well as a custom ServiceNow integration to automatically sync customer assets.

Senior Full Stack Engineer   Dec 2022 - May 2024
Firstbase - via Remote & Filabs   Remote (USA)

- Implemented and maintained features in our applications for logistics and equipment management, using Typescript/React, Java/Kotlin/SpringBoot and GraphQL
- Wrote unit, integration and e2e tests using Jest, JUnit and Playwright
- Led our integrations department using a Kotlin Public API in REST and Workato, coordinated with clients and contractors to setup and customize apps
- Integrated with third party APIs (Okta, Netsuite, Workato, Merge, Segment/Mixpanel)
- Wrote and reviewed technical specifications
- Organized technical meetings as well as team building remote calls

Senior Software Engineer   May 2022 - Sep 2022
Alan   Remote (France)

- Implemented solutions within the Alan Mind team to help raise awareness on mental healthcare and wellbeing using NextJS, React and React Native
- Executed a range of tasks addressing security issues and optimizing the infrastructure for the security/infra/privacy teams using Python, Flask and Terraform

Lead Product Engineer   Mar 2021 - Mar 2022
Vanpl   Remote (South Korea)

- Developed a camping-cars booking platform and back-office from the ground up using Typescript, NodeJs and VueJs and Jest for testing, as first and lead engineer
- Led the engineering team, code reviewed peers, mentored junior developers, planned and organized sprints and tasks depending on the team velocity
- Setup CI/CD using Github Actions, deployed using AWS
- Setup processes and templates to write effective Business Requirements, Functional Specifications and Technical Specifications documents
- Setup data-driven retrospective with Mixpanel

Lead Full Stack Developer   Feb 2020 - Jan 2021
Seeart   Daegu, South Korea

- Planned and led technical projects as the only engineer in the company
- Designed and developed a custom ecommerce application using Angular, NodeJs and ExpressJs, selling physical and digital items internationally
- Designed mockups and developed an internal company back-office aggregating multiple websites data with advanced charts and filtering features using D3.js
- Integrated 5+ payment APIs to facilitate payments

Front End Developer   Sep 2018 - Sep 2019
Ipkiss   Remote (France)

- Developed an online tattoo booking platform using Angular
- Maintained a video game matchmaking application using AngularJS
- Developed an online game quiz application using VueJS

Web & Mobile Developer   Mar 2016 - Aug 2017
MHComm   Toulouse, France

- Maintained web medical applications using AngularJS, and Django
- Designed and developed a web app to follow the health of patients
- Designed and developed a mobile application using Ionic from the ground up
- Integrated third-party embedded medical devices for health monitoring

Internships and Part Time Experiences   2014 - 2016
Vega France, Technic Soft, Epitech   Toulouse, France

- Maintained a management software in C++ for large distribution groups
- Developed an internal monitoring platform for deployed embedded machines
- Automated machine setup and deployment tasks using shell scripting
- Taught French classes to university student and corrected their copies

Education

Exchange student, Game development   2018
Keimyung University   Daegu, South Korea

Master's degree in Computer Science   2019
EPITECH European Institute of Technology   Toulouse, France

Remote Foundations Certification   2022
Gitlab   Remote

Certificate in Entrepreneurship Essentials   2023
Harvard Business School Online   Remote