



Thomas Winckell

Software Engineer

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📍 Luxembourg

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I'm a Software Engineer with 10+ years of experience specializing in full-stack web and mobile development, cloud solutions, and technical leadership.

SKILLS

Cloud

- Amazon Web Services: Lambda, Step Functions, S3, CloudFront, Cognito, Athena, EMR, EventBridge
- Google Cloud Platform: Firebase, Cloud Functions, Cloud Run

Frontend

- React, React Native
- Next.js
- Angular
- Android
- Jamstack

Backend

- Node.js
- Express
- Java
- Spring
- Scala

Devops

- CloudFormation
- SAM
- Docker
- Gitlab CI
- Github Actions

Database

- DynamoDB
- ElasticSearch
- MongoDB
- PostgreSQL
- Firestore

WORK EXPERIENCE

Nov. 2023 -
now

Technical Lead Developer - Freelance

Raiffeisen bank - Luxembourg

- Created a reusable component library to accelerate application development and improve consistency across projects.
- Automated project workflows and creation processes using NX generators.
- Refactored codebase and build process, authored development guidelines, and provided ongoing support to the web and mobile banking app maintenance team.
- Implemented frontend part of Apple Pay In-App provisioning and Wallet Extensions.

Technologies: Angular, TypeScript, Capacitor, NX, Storybook, Swift, Android, Java, Spring, Gitlab CI, OpenShift

March 2021 -
May 2023

Full-stack Web Developer - Freelance

Ekono - Luxembourg

- Contributed to a team of 30 developers to build and maintain web applications serving thousands of clients.
- Developed microservices within a serverless architecture, leveraging the CQRS pattern.
- Designed and implemented a communication management solution for SMS, email, and push notifications.
- Built static marketing websites to support business initiatives.

Technologies: React, Angular, TypeScript, Node.js, Jamstack, ElasticSearch, AWS (SAM, DynamoDB, S3, Cognito, Lambda, Step Functions, EventBridge, ...)

Jan. 2020 -
Feb. 2021

Technical Lead Developer - Freelance

Landskies - Luxembourg

- Led the development of the AR mobile app "Captree" from concept to deployment.
- Developed a tree detection algorithm using Point Cloud Library.
- Built web services and a back-office to test tree detection algorithms.

Technologies: Android, Java, C++, TypeScript, Node.js, React, GCP (Cloud Run), Bamboo

Feb. 2019 - Dec. 2019	Full-stack Web Developer - Freelance BIL bank - Luxembourg <ul style="list-style-type: none"> • Redesigned and maintained the mobile banking app as part of a 10-person team. • Provided React and React Native coaching to team members. • Developed a microservice for managing customer communications. <p>Technologies: React Native, React, JavaScript, Java, Spring</p>
Aug. 2018 - Jan. 2019	Front-end Developer - Freelance Docler - Luxembourg <ul style="list-style-type: none"> • Developed a confidential project from scratch as part of a 10-person front-end team. • Provided coaching to a team new to React. • Contributed to front-end build tools and infrastructure. <p>Technologies: React, TypeScript, Webpack, SCSS</p>
March 2014 - April 2018	IT Consultant Sfeir - Luxembourg <ul style="list-style-type: none"> • Delivered consultancy services as a full-stack web and mobile developer. • Conducted React training sessions for public audiences and corporate clients. • Presented public talks on React Native, ECMAScript, and WebSockets.
Jan. 2017 - April 2018	Full-stack Web Developer - Consultant Saint-Paul - Luxembourg <ul style="list-style-type: none"> • Collaborated within a 5-person team to maintain and redesign the Wört online newspaper. • Enhanced page load speeds through code splitting. • Developed and maintained internal tools and shared libraries. <p>Technologies: JavaScript, React, Angular, Webpack, Scala, Play Framework, MongoDB</p>
Aug. 2015 - Dec. 2016	Full-stack Web Developer - Consultant KPMG - Luxembourg <p>Contributed to the development of confidential web projects in a growing team.</p> <p>Technologies: JavaScript, React, Scala, Play Framework, MongoDB</p>
Sept. 2014 - July 2015	Full-stack Web Developer - Consultant Tarkett R&D - Luxembourg <p>Refactored and maintained the "Floor In Motion" web application, enabling data collection from floor sensors to detect falls.</p> <p>Technologies: JavaScript, Angular.js, Java, Spring, AWS (DynamoDB, CFN, EC2)</p>

EDUCATION

2014	University of Lorraine Master Degree in Software Engineering
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CERTIFICATIONS

June 2023	Amazon Web Services Solution Architect Associate
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LANGUAGES

French Native	English Full professional proficiency
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