Sami Ben Chaalia

Software Engineer,
Full Stack developer

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Skills

Full-stack software engineer with **5+ years** of experience in building **scalable web applications, leading development teams, and integrating cloud-based solutions**. Expertise in **TypeScript, NestJS, Angular, React, and cloud platforms (AWS, Azure, GCP)**. Passionate about **automation, real-time communication, and optimizing operational efficiency** through technology.

Technical Skills

- **Frontend:** React, Angular, Vue, Next.js, TypeScript
- **Backend:** Node.js, NestJS, PHP, Python, Symfony, Strapi (headless cms)
- **Databases:** PostgreSQL, MongoDB, SQL
- **Cloud & DevOps:** AWS, Google Cloud, Azure Bot, Docker, RabbitMQ
- **Other:** Microservices, WebSockets, CI/CD, Strapi, Android Studio

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Experience

Cruxsoft – Senior Software Engineer | Team Lead
May 2024 – Present | Hybrid (Brussels, Belgium)

- Led a **software engineering team** in delivering innovative web applications.
- Developed a **Microsoft Teams extension** for **Eurostar (https://eurostar.com) train operations**, reducing communication delays by **40%**.
- Automated **staff scheduling retrieval** across multiple European stations.
- Integrated **Azure Bot services** for real-time updates on train departures, delays, and incidents.
- Designed **dynamic message broadcasting** for improved operational efficiency.
- Built **web applications** to enhance Eurostar staff coordination and information flow.

Tech Stack: NestJS 10, Angular 17, TypeScript 5.4, Azure Bot, Microsoft Teams, React 18, PostgreSQL 16, Azure Microsoft Entra Applications.

Encore Lab – *Full-Stack Engineer*
May 2023 - May 2024 | Remote (Spain)

- Developed an **internal ERP & CRM** to automate **invoicing, client management, and stock tracking**.
- Built **agriculture-focused software** to detect plant health issues via **IoT sensor data & image processing**.
- Designed **scalable, high-performance** web applications aligned with business needs.

Tech Stack: NestJS 10, Angular 16, TypeScript, PostgreSQL 16, PHP 8, Symfony 7.

Solvr – Tech Lead | Software Engineer

Sep 2022 – May 2023 | Remote (France)

- Led development of a microservices-based web platform.
- Implemented RabbitMQ-based automation for backend processes.
- Developed and optimized cross-platform, responsive web applications.
- Built a Node.js backend using RabbitMQ consumers to auto-integrate prestashop data of clients, commands, reservations, products, and categories with Salesforce through automated robots (https://www.ansbrasil.com/ & https://kesbrasil.com/).
- Developed Elementor modules and custom plugins for a WordPress website using jQuery and PHP (https://www.genevoisfrancais.org/).
- Led a team in developing an e-commerce Magento application with a React 17 frontend and Redux for state management.

Tech Stack: Node.js 16, Angular 16, PostgreSQL 16, RabbitMQ, React 17,jQuery3, PHP 8, Prestashop 8, Wordpress, NestJs 8, AWS cloud functions, AWS EC2, Google Cloud Platform, Strapi, Socket.io

Other Experience

- **Social Hackers Academy – Full-Stack Developer**

  (Mar 2022 – Sep 2022 | Remote, Greece)

  - Built **automation tools**, including **Zoom attendance tracking** via API.
  - Provided mentorship and technical support for students.

Tech Stack: NodeJs 16, Angular 16, TypeScript 4.6, Airtable google.

- **High Country Dev – Full-Stack Developer**

  (Jul 2021 – Oct 2021 | Remote, USA)

  - Developed an **org chart software** with **Slack integrations** and **D3.js-based visualizations**.

Tech Stack: React 17, Typescript 4.4, D3, Google Cloud functions,

- **Tynass IT – Full-Stack Developer**

  (Jul 2019 – Jul 2021 | Tunis, Tunisia)

  - Built **Karriery (https://karriery.tn)**: career coaching platform with resume parsing & job-matching automation, integrating AI-powered suggestions for candidates and companies.
  - Developed WideHelwa (https://widehelwa.com): An e-commerce platform featuring PayPal integration, social authentication, advanced product search, and personalized recommendations
  - Designed and implemented Tynass IT mobile application with augmented reality features for an interactive user experience.

Tech Stack: Angular 14, TypeScript 4, MySQL, Nodejs 14, PHP 7

Education

Sesame University / Software Engineering

September 2017- January 2022 , Arriana, Tunis

Graduated with high honors

Awards/Hackathons

Awards & Hackathons

🏆 **1st Place – Challenge Entreprendre** (Dec 2021) | Sesame University
🏆 **1st Place – STB Hackathon** (Jun 2021) | Junior Entreprise ENSI
🏆 **1st Place – JET Hackathon** (Mar 2021 – Apr 2021) | JET
🏆 **1st Place – Hack'ART** (May 2019) | Tunis International Center of Cultural & Digital Economy
🏆 **1st Place – SoYouThinkYouCanCode** (Apr 2018) | Youth Can