

Ahmed Khalil Bejaoui

Curriculum Vitae

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DOB: August 13, 1991

Professional Summary

Im a passionate Senior Software Engineer with over a decade of experience building and optimizing full-stack applications and scalable microservices. I love working with modern technologies like JavaScript, TypeScript, AWS, Docker, and React/Angular to create efficient and reliable software. My recent focus has been on leading teams, improving development processes, and delivering impactful solutions like boosting mobile app performance by 80% through strategic refactoring. With a strong background in Agile and Scrum, I thrive in collaborative environments where I can help teams grow and succeed. Im excited to bring my technical expertise and leadership skills to a dynamic company that values innovation and teamwork. For a detailed resume, please consult my [Portfolio](#)

Skills & Abilities

Languages & Frameworks	JAVA, PYTHON, NX, NEXTJS, JAVASCRIPT/TYPESCRIPT, NODEJS, GRAPHQL, SHELL
Frontend Development	HTML5, CSS3, TAILWIND CSS, ANGULAR(v2,...,16), REACT, REACT NATIVE, REDUX, RXJS, ELECTRON
Backend Development	NODEJS, PYTHON, MICROSERVICES ARCHITECTURE, AWS, DOCKER, SERVERLESS (E.G., LAMBDA, SERVERLESS)
Tools	STRIPE, GRAFANA, SENTRY, GIT/GITHUB/GITLAB/BITBUCKET, VSCODE, ATlassian SUITE, SLACK, TEAMS, CI/CD TOOLS
Data Analysis	E-CHARTS, D3.JS, PLOTLY, DATABRICKS
Project Management	AGILE, SCRUM, PLANNING AND ESTIMATIONS, REQUIREMENT ANALYSIS
DevOps & Infrastructure	DOCKER, AWS, KUBERNETES
Databases & Storage	SQL/NoSQL, POSTGRES SQL, DYNAMODB, REDIS
Testing Frameworks	JEST, CHAI, MOCHA, NYC
Hardware & Prototyping	ARDUINO, RASPBERRY PI

Work Experience

- February 2023 – **Senior Software Engineer**, TWAICE TECHNOLOGIES, GMBH, Munich, Germany.
Now **Technologies** Angular, NodeJs, TypeScript, Python, Docker, PostgreSQL, Databricks, Sentry, AWS services, NextJS, Plotly
- Improve our code stack and introduce new in-house built libraries to speed up our development process
 - Collaborate on our custom internal scripts and add new features for faster development process
 - Spearheaded the refactoring of the entire codebase and introduced modern frontend technologies such as RxJS, Redux, and Tailwind CSS, resulting in a more efficient and optimized architecture.
 - Create our own custom Datatable for better flexibility, faster integration, fully customised, better performance and tailored functionality to our needs.
 - Improved our Python services and developed new services from scratch using TypeScript, leading to a reduction in service response times by 20%
 - Ensured that all developed features were thoroughly tested, reviewed, and successfully deployed
 - Mentored team members in new technologies and methodologies through regular presentation calls, increasing team productivity and contributing to overall team growth.
- www.twaice.com
- April 2021 – **Team lead | Senior Software Engineer**, FINWAY, GMBH, Munich, Germany.
February 2023 **Technologies** React, React native, NodeJs, TypeScript, Docker, MongoDB, Sentry, AWS services
- Led both the mobile and frontend development teams, overseeing planning, estimations, documentation, CI/CD, and code quality, ensuring projects were delivered on time and within scope
 - Refactored mobile app code, improving performance by 80% through efficient use of caching and optimized data loading strategies.
 - Managed the integration of bank card services, ensuring high levels of security and compliance across financial transactions
 - Facilitated 1:1 meetings and mentoring sessions with team members, fostering a collaborative team environment and improving code quality.
- www.finway.de
- Mai 2020 – **Senior Software Engineer**, FINWAY, GMBH, Munich, Germany.
April 2021 **Technologies** React, React native, NodeJs, TypeScript, Docker, MongoDB, Sentry, AWS services
- Signed a contract in July but supported the startup from May onward by helping develop and maintain a cutting-edge fintech dashboard focused on improving company spending controls.
 - - Presented knowledge-sharing sessions to boost cross-team learning and align technical strategies.
 - Led architectural design and made key technical decisions that resulted in a 10% improvement in system performance.
 - Actively participated in the recruitment process, assessing technical capabilities of candidates.
- www.finway.de
- November 2019 **Senior Software Engineer**, HOLIDAY EXTRAS, GMBH, Munich, Germany.
– March 2020 **Technologies** React, NodeJs, TypeScript, Docker, Google Cloud
- Developed complex booking services for car parks, ferries, and hotels, ensuring seamless integration with third-party providers
 - Created internal tools that enhanced product management and customer support workflows
 - Worked closely with product owners to ensure a smooth booking experience across multiple channels
 - Although the role was shortened due to the pandemic, I gained valuable industry insights and strengthened my professional network within the tourism sector.
- www.holidayextras.de
- April 2018 – **Senior Software Engineer**, INNOSABI, GMBH, Munich, Germany.
November 2019 **Technologies** PHP, Angular, NodeJs, TypeScript, Docker, Google Cloud
- Took charge of feature testing, code reviews, and deployments, ensuring timely delivery of software updates.
 - Led the implementation and integration of third-party tools, reducing development time by 25%.
 - Developed multi-tenancy instances with extensive customization options, improving client satisfaction and enabling scalability for new clients
 - Actively participated in sprint planning, estimations, and technical discussions
- www.innosabi.com

- September 2017 – April 2018 **IT Consultant**, LIV-T, GMBH, Munich, Germany.
- Technologies** React, Ember JS, React Native, TypeScript, Docker, Klipfolio, C/C++, Python
- Introduced new shell and Python scripts to improve diagnostic, update, and fix processes for the Oilfox software remotely, reducing downtime by 30% and return shipping costs
 - Worked on the firmware (C/C++) to add features and execute a major version upgrade from v171 to v172
 - Developed complex SQL queries for Klipfolio dashboards, providing clear analytics and insights for partners.
- www.oilfox.io
- March 2017 – September 2017 **IT Consultant**, TS CONSULTING, SARL, Tunis, Tunisia.
- Front-end developer and IT consultant responsible for delivering high-quality web interfaces that improved client engagement
 - Collaborated closely with clients to identify requirements and deliver custom web solutions that improved user satisfaction and overall platform usability.
- November 2016 – June 2017 **Co-founder - Chief Technology Officer**, WATSOMAPP, LTD, Madrid, Spain.
- Co-founded and led the development team responsible for integrating IBM Watson AI to build a bullying detection solution from scratch, supporting schools in identifying and preventing bullying incidents.
 - Managed a cross-functional team, overseeing both backend development and AI integration, ensuring the platform was scalable and effective.
 - Secured support from IBM's startup program, leveraging cutting-edge AI and machine learning technologies to create a solution from the ground up.
- www.watsomapp.com
- February 2016 – October 2016 **Consultant**, AGORA, INC, Montreal, Canada.
- Developed a social networking mobile application using Android (4.0 to 6), NodeJS, MongoDB, React, and Express.
 - Created a real-time chat feature using REST APIs and Socket.io,
 - Built and maintained an Android library for seamless API integration, improving performance across multiple devices.
 - Delivered this project remotely, demonstrating excellent communication and collaboration with the Montreal-based team.
- Keywords:** Android(4.0,...,6), NodeJS, MongoDB, react, Express, REST, Socketio, Real Time application
- Mai 2015 – October 2017 **Chief Executive Officer**, STELLARIN, LTD, Tunis, Tunisia, Nottingham, United Kingdom.
- Led a team of 5 developers in building various small projects and two large-scale web and mobile applications
 - Provided web development services using single-page applications (SPA) technologies, enabling faster load times and smoother user experiences.
 - Spearheaded mobile app development, ensuring cross-platform compatibility and optimized performance across Android, iOS and Windows Phone.
 - Directed the creation of mobile games using Unity for both Android and iOS.
- www.stellarin.com
- February 2013 – June 2013 **Intern**, OOREDOO INC, Lac2, Tunisia.
- Development of an automatic processing data application and network performance indicator.
- keywords:** JSP, JAVA, Spring boot, RESTFUL Web service, Talend, ETL, Symphony2, PHP5, Bootstrap, Ajax, JSON, AmCharts, MVC2, Responsive
- July 2012 – September 2012 **Intern**, OOREDOO INC, Lac2, Tunisia.
- Development of an ERP Dashboard web based application.
- Keywords:** JSP, Oracle DB, MVC, Bootstrap
- August 2011 – October 2011 **Intern**, OOREDOO INC, Lac2, Tunisia.
- System administration, computer maintenance and security "Hotline Team".
- February 2011 – July 2016 **Freelancer**, , Tunis, Tunisia.
- Web developer and IT Technician, Fixed and diagnosed hardware and software issues of computers and mobile phones.

Education

- 2013–2016 **Computer Software Engineering**, *Graduated with excellent degree*, Higher Private School of Engineering and Technology, Ariana, Tunisia.
Thesis title: "Social network mobile application with Android and NodeJS REST API" - ECTS: 60 of 60 accumulated
- 2010–2013 **License of Computer Science**, *Graduated with honor*.
National school of engineering, Ariana, Tunisia
- 2006–2010 **Bachelor of Computer Science**, *Graduated with honor*.
Hannibal high school, Ariana, Tunisia

Certifications

- September 2022 – present **Software Architecture & Design of Modern Large Scale Systems**, UDEMY.
[Certificate Link](#)
- 2015 – present **Certified Galactic problem solver**, NASA - NATIONAL AERONAUTICS AND SPACE ADMINISTRATION - CERTIFICATION AUTHORITYNASA .
[Certificate Link](#)
- February 2013 – present **Certified Microsoft Specialist in HTML5, CSS3 and JavaScript**, MICROSOFT - EXAM 70-480 .
[Certificate Link](#)
- December 2012 – present **Arduino C programming**, THEBEST PROFESSIONAL TRAINING CENTER .
[Certificate Link](#)

Personal characteristics

- Autonomy, Problem Solver, Teamwork, Rigor, Leadership, Self-taught, Versatile, Optimistic, Motivated

Languages

Arabic	Native Speaker	<i>Formal Arabic, Tunisian, and all other Arab dialects</i>
French	Fluent	<i>writing, reading, listening and speaking</i>
English	Fluent	<i>writing, reading, listening and speaking</i>
Spanish	Basic	<i>listening and speaking</i>
German	Basic	<i>Basic words and phrases only</i>