Abdelhak RAHMOUNI

SOFTWARE ENGINEER

Oran, Algeria

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"The cave you fear to enter, holds the treasure you seek." Joseph Campbell

Summary

Experienced software engineer with a Master's degree in Computer Science and over 2 years of hands-on experience. Proficient in TypeScript and experienced in working with the MERN tech stack. Developed and launched web applications for monitoring, crypto protocols, and landing websites. Thrives on autonomy, self-learning, and constantly evolving in the ever-changing field of software development.

Work Experience

Shard Labs
Zagreb, Croatia (Remote)

FULL STACK DEVELOPER (FULL-TIME) — *Mar 2022 - Feb 2023*

- Actively managed and expanded the front-end functionalities of our Crypto-staking solution on the Polygon Blockchain, while consistently maintaining its performance and usability.
- Built and integrated the front-end of a crypto lending and borrowing protocol application on Aurora Blockchain.
- Built and integrated the front-end of a Proof-Of-Attendance-Protocol application on NEAR Blockchain.
- Conducted thorough code reviews, consistently ensuring adherence to clean-code best practices and maintaining codebase consistency.
- **Technical skills:** React.js, TypeScript, Next.js, Ethers.js, near-api-js, hardhat, TailwindCSS, styled-components, RESTful APIs, GraphQL, debugging, trouble-shooting.
- **Soft Skills:** Communication, documentation, collaboration, planning.

Namla Cloud
Paris, France (Remote)

FULL STACK WEB DEVELOPER (FULL-TIME) — *Nov 2021 - Mar 2022*

- Spearheaded the development of a cloud orchestration & management platform.
- Thoroughly documented newly created components on Confluence.
- Proactively embraced DevOps responsibilities to meet project deadlines and enhance my skill set.
- Implemented the company's inaugural website, driving its online presence and brand visibility
- **Technical skills:** TypeScript, React.js, Bootstrap, CSS, JSON, CI/CD, Docker, Gitlab, wireframing.
- **Soft Skills:** Communication, documentation, conceptualization.

Barsha Technology
Gabes, Tunisia (Remote)

FULL STACK DEVELOPER (FREELANCE) — *Aug 2021 - Sept 2021*

- Developed a mobile app using Flutter to create a compliance checking tool for an offshore client.
- Incorporated an engaging introduction slideshow to effectively showcase the step-by-step procedure.
- Integrated slide animation to ensure smooth progression through each compliance checking step.
- Utilized the Google Sheets API as the backend to securely store and manage data.
- **Technical skills:** Flutter, Dart, Figma
- **Soft Skills:** Pressure-handling, communication, mockup, engaging presentation.

Skills

Programming	TypeScript, Java, Python, PHP, C/C++, HTML5, CSS3, JavaScript, Dart, SQL.
Frameworks & libraries	React, Next.js, Express, Node.js, Vue.js, GraphQL, Flutter, TailwindCSS, Bootstrap, Ethers.js.
Developer tools	VSCode, Git, Docker, CI/CD, Testing, MongoDB.
Others	LaTeX, Adobe Photoshop, Adobe Illustrator, Figma, UI/UX Design.

Projects

Verum: Decentralized voting platform

TECH STACK: REACT.JS, WEB3.JS, JAVASCRIPT, SOLIDITY, TRUFFLE, BOOTSTRAP — *Jul 2021*

- Designed and implemented an intuitive admin dashboard enabling users to initiate and manage live voting events.
- Designed and implemented a secure voter application that enables users to authenticate and submit their votes.
- Implemented the smart contract responsible for the voting initiation and casting.
- Utilized Truffle Ganache personal blockchain tool to run tests, execute commands, and inspect state while controlling how the chain operates.

Inception: Chrome extension

Sept 2020

- Developed a browser extension enabling users to seamlessly navigate to the initial commit of any GitHub repository.
- Utilized DOM API to integrate a button onto the webpage allowing for a better user experience.
- Utilized the GitHub API to retrieve the appropriate commit hash for constructing the URL of the initial commit.

Education

University of Science and Technology of Oran - Mohamed Boudiaf
Oran, Algeria

MASTER DEGREE IN INFORMATION & DATA SYSTEMS *Sept 2019 - Sept 2021*

- **Coursework:** Operations research, Data analysis, Machine learning, Distributed systems, Cloud computing, Grid computing, Advanced databases, Ethics. Game theory, Multidimensional databases & data warehouses.
- **Practical work:** Hadoop, Spark, PL/SQL, Scala, Java Sockets, AndroidSDK, Python, PostgreSQL.

University of Science and Technology of Oran - Mohamed Boudiaf
Oran, Algeria

LICENCE DEGREE IN COMPUTER SCIENCE *Sept 2016 - Juin 2019*

- **Coursework:** Algebra, Calculus, Algorithms, Data structures, Web development, Mobile development, Object-oriented programming, Declarative programming, Logic programming, Assembly, Probabilities & statistics, Databases, Operating system, Networks, Graph theory, Cybersecurity, Compiler design.
- **Practical work:** C, C++, Java, Java Swing, HTML, CSS, PHP, Prolog, MIPS, SQL.

Extracurricular Activity

UDev (University Developers' Community)
Oran, Algeria

MEMBER & PRESIDENT *Jul 2017 - Aug 2021*

- Voted second best speaker (out of 8) by the audience for delivering a talk at the community's annual conference about habit-forming technology.
- Organized and conducted a comprehensive workshop on LaTeX specifically tailored for a group of 40 soon-to-be graduates.
- Efficiently reformed and refined the recruitment process, significantly reducing the need for human intervention.
- Exercised strategic leadership in formulating and implementing policies to optimize the community's public engagement.
- Actively involved in programs focused on entrepreneurship and competitive programming, fostering valuable skills and experiences.
- Created a diverse range of original graphic materials for the community's social media and events.
- **Technical Skills:** Programming, technical writing, graphic design, community management.
- **Soft Skills:** Leadership, teaching, public speaking, collaboration, planning, team building.

Certifications

May 2020 **FreeCodeCamp,** Responsive Web Design Certification

Mar 2020 **FreeCodeCamp,** JavaScript Algorithms and Data Structures Certification

Mar 2020 **FreeCodeCamp,** Front End Libraries Certification

Mar 2020 **Openclassroom,** Ultra fast applications using Node.js

Mar 2020 **Openclassroom,** Go Full-Stack With Node.js, Express, and MongoDB

Feb 2020 **Openclassroom,** Manage Your Code Project With Git & Github