

RAGHEB BARHOUMI

Full Stack Developer | DevOps | Fintech Solutions
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Available for 9 months CIVP

PROFESSIONAL SUMMARY

Intermediate Fullstack Developer with experience in secure fintech platforms, e-commerce, and crypto trading. Skilled in React, Node.js, and DevOps with expertise in payment integrations, blockchain escrow systems, and performance optimization. Utilizes AI-assisted tools (AI Agents, MCP) to accelerate development and strengthen system security. Strong focus on security, scalability, and user experience.

TECHNICAL SKILLS

Frontend: React.js, Next.js, Redux, TypeScript, Material UI, Responsive Design
Backend: Node.js, Express.js, Fastify, GraphQL, REST, PostgreSQL, MongoDB
DevOps: Docker, AWS EC2, Nginx, CI/CD, GitHub Actions, PM2, Linux
Security/QA: JWT, OAuth2, Testing (Mocha/Chai), Code Review
AI & Development Tools: AI Agents, Cursor CLI, Model Context Protocol (MCP), Prompt Engineering, AI-assisted Development
Other: OOP, Design Patterns, Clean Code

PROFESSIONAL EXPERIENCE

- DUTODATA** Nov 2024 – Jan 2025
Full Stack Developer (P2P Crypto Trading Platform) Sousse, Tunisia
 - Developed a P2P crypto trading platform with escrow system, real-time chat, and multi-wallet support (BTC, ETH).
 - Implemented KYC and feedback systems reducing transaction risk by 65%.
 - Integrated advanced security measures reducing fraud by 35%.
 - Used AI Agents and Cursor CLI to rapidly prototype features, automate boilerplate code, and perform AI-assisted security audits, increasing development efficiency.
 - Collaborated with a Flutter developer and a designer/leader on cross-platform solutions and UI best practices.
- Responsive Web Systems (RWS)** May 2023 – May 2024
Full Stack Developer - Multiple Projects Sousse, Tunisia
 - Developed two applications simultaneously: soomy.tn (auction platform) and Diil.tn (marketplace) using React/Node.js with secure payment integration.
 - Accelerated development by 20% using a monorepo architecture and shared components.
 - Eliminated 70% of Node.js vulnerabilities by implementing best practices and design patterns.
 - Improved user retention by 30% after redesigning the Next.js interface and fixing 150+ bugs.
 - Integration of ClickToPay and Paypal payment methods to facilitate purchases within the application.
 - Deployed applications on AWS EC2 with Nginx setup, PM2 monitoring, and CI/CD pipelines.

- **Business Process Solutions (BPS)** Sep 2022 – Apr 2023
 • *Full Stack Developer* *Sousse, Tunisia*
 • Developed a billing system (PERN stack) with dashboards, JWT authentication, and Excel export.
 • Implemented real-time sync for 500+ users with optimized CRUD interfaces.

- **Genext-IT** May 2022 – Jul 2022
 • *Pre-hire Internship (Full Stack Developer)* *Sousse, Tunisia*
 • Developed a recruitment platform (React/Node.js, MongoDB, Redux, Formik, Yup, Axios).
 • Implemented job listings, applications, and employer dashboard with secure authentication.
 • Built full registration/login flows with protected routes and company job management.

- **SmartLogger** Mar 2022
 • *Frontend Developer Intern* *Sousse, Tunisia*
 • Redesigned and updated company website using React and CSS to improve UI/UX.

- **École Polytechnique Internationale (EPI)** Feb 2020 – Jun 2020
 • *Graduation Project (Frontend Developer)* *Sousse, Tunisia*
 • Developed frontend of e-commerce site using Angular 6, Bootstrap, HTML5, CSS3.
 • Integrated database schema and product management with PhpMyAdmin.

- **Business Process Solutions (BPS)** Jul 2020
 • *Internship (Networks/Embedded Systems)* *Sousse, Tunisia*
 • Installed OpenWRT on embedded devices and virtualized Ubuntu (VMWare, PuTTY).
 • Developed a C program and deployed it on OpenWRT via WinSCP.

- **Saphir Industrie Tunisie (S.I.T)** Jul 2017
 • *Internship (General Engineering Introduction)* *Messadine, Tunisia*
 • Learned teamwork, project organization, and meeting deadlines.
 • Developed skills in setting and achieving project objectives.

PROJECTS

- **Digital Codes Trading Platform — Fullstack Project (solo):**
 Built a complete SaaS platform for buying and selling digital codes, including Node.js backend and four frontends (Next.js for buyers, React dashboards for seller, admin, and support). Designed server architecture, REST APIs, data modeling, asynchronous tasks (cron/jobs), and fully integrated Stripe Connect (payments, webhooks, reconciliation). Implemented authentication, admin routes, image uploads, and modular production-ready codebase.
Key Points:
 - Node.js backend structured (server.js) with DB management via connectDB.js
 - Four frontends (Next.js buyers, React dashboards: seller, admin, support)
 - Stripe Connect with webhooks and automated reconciliation
 - Cron jobs (listingExpirationCron, reconciliationScheduler)
 - JWT authentication, refresh tokens, and protected routes

- API design, data modeling, payment workflows, debugging, and maintainability

Keywords: Next.js; React; Fastify; REST API; Stripe Connect; Webhooks; MongoDB; Cron/Workers; Docker; Authentication (JWT/OAuth2); TypeScript

GitHub: <https://github.com/darkpsinight/my-ecommerce-project>

- **E-Commerce + Admin Dashboard:**
MERN stack solution (MongoDB, JWT, Redux, Stripe, Firebase).
- **Portfolio Website:**
Responsive personal portfolio with Sanity.io backend.
- **Social Media App:**
MERN fullstack with JWT, bcrypt, Redux, and cookies.
- **Autonomous Robotic Navigation:**
SLAM-based system with dynamic obstacle avoidance (graduation project).

EDUCATION

- **École Polytechnique Internationale (EPI)** 2016 – 2021
Engineering Degree in Software Engineering *Sousse, Tunisia*
- Graduated with Honors | Specialization in Software Engineering and Application Development.

CERTIFICATIONS

- JavaScript Algorithms & Data Structures – FreeCodeCamp
- GraphQL + TypeScript – Professional Certification
- JavaScript – Cisco Networking Academy
- Quality Assurance – FreeCodeCamp

ACTIVITIES & INVOLVEMENT

- Organized coding workshops (React.js, algorithms) for 20+ students as part of the Google Club.
- Winner of FinTech Challenge (secure payment solution).
- Participated in hackathon focused on fintech innovation.