

Walid CHENNIT

10, Lotissement Urbain, Baba Hassen, Algiers | walidchennit1@gmail.com | +213 7 94 21 74 94

Software Engineer with a Master's Degree in Software Engineering from USTHB, I am a passionate Full Stack Developer with hands-on experience designing and delivering production-grade software systems. Across engagements in finance, banking, and scientific research, I have built scalable back-end services (NestJS/Node.js, Spring Boot/Java, Python) and modern front-end interfaces (Next.js, React Native), integrating AI modules for document processing and biometric verification. Self-driven and comfortable working independently in distributed, agile teams, I thrive in remote environments that value ownership, code quality, and continuous improvement.

PROFESSIONAL EXPERIENCE

Diar Dzair <i>Full Stack Developer</i>	Algiers, Algeria <i>Current Position</i>
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- Designed and built a virtual banking platform with a mobile application (**React Native / Expo Go**) and a **Spring Boot (Java)** back-end, delivering a seamless end-to-end user experience.
- Architected RESTful APIs for core banking features: account management, fund transfers, digital wallet, and full transaction history.
- Implemented advanced security protocols: secure authentication (JWT), encryption of sensitive data, and fraud-prevention mechanisms.
- Collaborated asynchronously across distributed team members, maintaining high code quality through structured code reviews.

BrainerX <i>Programming Instructor & Mentor</i>	Algiers (Remote) <i>Current Position</i>
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- Taught programming concepts, software design principles, and best practices to learners at various skill levels.
- Designed structured curricula and hands-on exercises to build technical proficiency and problem-solving skills.
- Provided individual mentoring and code review sessions to accelerate student progress.

Centre for the Development of Advanced Technologies (CDTA) <i>Full Stack Developer – Intern</i>	Algiers, Algeria <i>October 2025 – June 2026</i>
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- Built RDIS, a centralized Research & Development Information System, covering project tracking, experiment management, document handling, and administrative workflow automation (mission orders, purchase requests, multi-level validations).
- Designed the full-stack architecture: **Next.js** front-end, modular **NestJS (Node.js / TypeScript)** back-end with RESTful APIs, and **PostgreSQL** relational database.
- Implemented role-based access control (RBAC), automated notifications, and multi-level approval workflows for researchers, project managers, and administrative staff.

Crédit Populaire d'Algérie (CPA) <i>Full Stack Developer Intern – eKYC Platform</i>	Algiers, Algeria <i>May 2025 – September 2025</i>
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- Developed a complete e-KYC (Know Your Customer) banking solution enabling secure remote account opening via mobile and back-end services.
- Architected the technical stack: **React Native / Expo** mobile app, modular RESTful APIs with **NestJS (Node.js)**, and a **PostgreSQL** database.

- Integrated AI-powered identity verification modules: OCR data extraction (FastMRZ), biometric face recognition (DeepFace / Python), and liveness detection (OpenCV).
- Applied end-to-end security: sensitive data encryption, document fraud prevention, and multi-level validation workflows.

Crédit Populaire d'Algérie (CPA)

Full Stack Developer Intern – Meeting Board Platform

Algiers, Algeria

January 2025 – April 2025

- Designed and built a collaborative Meeting Board platform (**Next.js**, **Express** / **Node.js**, **MongoDB**) to streamline meeting planning and follow-up.
- Developed key features: resource scheduling, real-time collaborative note-taking, automated meeting-minutes generation, and notification system.
- Built an analytics dashboard for tracking participation KPIs and visualizing resolution statistics.

Banque Nationale d'Algérie (BNA)

Web Developer Intern

Algiers, Algeria

January 2024 – July 2024

- Built a full-featured IT incident management system (ticketing) with a **React.js** front-end and a **C# .NET / Entity Framework** back-end.
- Automated support workflows: intelligent ticket categorization, priority assignment, and real-time alerting.
- Created management dashboards for KPI tracking, executive reporting, and resolution time analysis.

CERTIFICATIONS

Generative AI Overview for Project Managers – July 2025: Understanding GenAI in project management, AI tools and their practical applications for improving project outcomes.

GDPR Workshop – CNIL – July 2025: GDPR principles, DPO roles, Data Protection Impact Assessments (DPIA), pseudonymization techniques, and legal responsibilities for personal data protection.

TCF – Test de Connaissance du Français – 584 points: Certified advanced proficiency in French (written and oral).

Software Development Training – LinkedIn Learning / Microsoft (2023–2024): Software development principles, programming best practices, software design and architecture, databases and SQL.

SKILLS

Programming Languages: JavaScript / TypeScript (ES6+), Python, Java, C# (.NET), SQL

Back-End Frameworks & Runtimes: Node.js, NestJS, Express.js, Spring Boot (Java), Django (Python)

Front-End & Mobile: Next.js, React.js, React Native / Expo

Databases: PostgreSQL, MongoDB, MySQL, SQL Server, Prisma ORM, Entity Framework

DevOps & Tools: Git, Docker, CI/CD pipelines, RESTful APIs, JWT, Agile / Scrum

AI / ML Integration: OpenCV, DeepFace, FastMRZ (OCR), Python-based AI module integration

Soft Skills: Remote collaboration, written & verbal communication, problem-solving, mentoring, self-management

Languages: Arabic (native), French (fluent), English (fluent)

INTERESTS

- Technology watch and continuous learning (emerging frameworks, AI/ML developments)
- Participation in hackathons and developer communities
- Gaming, sport, and travel