

Yassin Bagane

Software Engineer

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🔗 yassinbagane 📄 No work permit needed

PROFILE

Software Engineer with strong expertise in JavaScript/TypeScript, building scalable web applications. Experienced in modern frontend development with React and Next.js, as well as backend systems using Node.js and Python. Skilled in designing and implementing clean, maintainable architectures, developing APIs and building reliable data-driven applications. Hands-on experience with AWS, Docker, CI/CD and cloud deployments using GitHub Actions and modern DevOps practices.

Passionate about delivering high-performance, user-focused solutions, with a strong emphasis on code quality, scalability, and developer experience. Continuously exploring emerging technologies and AI-driven solutions to build innovative products that solve real-world problems.

PROFESSIONAL EXPERIENCE

Wequity, Software Engineer 12/2025 – 07/2026 | Remote
Worked on AI-powered legal document automation systems using Supabase, FastAPI, Google Vision API, Vertex AI, GCP and Vercel. Built frontend and backend features including real-time updates, pipelines to handle unstructured data. Collaborated with product and engineering teams in Agile sprints.

Datavid, Software Engineer 07/2023 – 12/2025 | Remote

- Designed and maintained **pipelines** using **AWS** for large scale documents processing.
- Developed and optimized workflows to extract, clean, and transform structured and unstructured data from multiple sources.
- Developed a **scalable web scraper** to collect and organize documents from multiple websites with high accuracy and reliability.
- Improved system efficiency by implementing a **document caching mechanism**, reducing AWS Textract costs and processing time by preventing redundant document scans.
- Supported **Angular frontend development**, adding new features and fixing bugs to improve usability and stability.

Puzzle Software, Software Engineer Intern 02/2023 – 06/2023 | Cluj- napoca, Romania

- Developed a mobile and web platform for ophthalmologists to monitor patients with macular diseases, enabling remote vision testing, patient management, and treatment progress tracking.
- Designed and deployed cloud infrastructure using AWS and GitHub Actions

3D Wave Design, Software Engineer Intern 06/2022 – 08/2022 | Sousse, Tunisia

- Developed a Web application using React that enabled doctors to securely manage patient records and access lab results instantly.
- Digitized medical folders and enabled real-time messaging via WebSockets, improving response time between doctors and patients.
- Delivered consistent progress through weekly CTO reviews, ensuring on-time milestones and feature completion.

SKILLS

React, React Native, Angular, Javascript, Typescript, NextJs, Python, DynamoDB, Opensearch, MongoDB, AWS, Git, Jenkins, Serverless, Docker, Postgres, Prisma ORM, Problem Solving, Web scraping, Data Extraction, Redis, Agile / Scrum, Fast API, Supabase, Qdrant, CI/CD, Playwright

PROJECTS

Enervia 🗣, *AI-Powered Document Automation Platform for Solar Energy Installers (ongoing)* 09/2025 – Present

- Designed and shipped a client management system covering pipeline tracking, document automation, and a self-service customer portal
- Built an automated document-processing engine that extracts data from client uploads, auto-fills regulatory filings, and flags inconsistencies before submission
- Replaced manual chasing of client paperwork with a self-service portal, cutting back-and-forth email and reducing document turnaround time
- Owned the product end to end — UX, workflow design, data model and automation

Deo 🗣, *AI Legal RAG & Document Management Platform*

- Built a RAG assistant for legal documents — chunked and embedded content into a Qdrant vector store and combined semantic search with GraphRAG relationship traversal to answer questions with page level citations across multiple documents.
- Implemented multi-tenant auth (organizations, role-based access, 2FA, passkeys)
- GitHub Actions CI/CD pipeline that builds a Turborepo-pruned multi-stage Docker image, pushes it to Amazon ECR and performs rolling zero-downtime deploys to ECS on every push to master
- Integrated AWS S3 for document storage using time-limited presigned URLs for direct browser upload/download/view, offloading file traffic from the API

Pico , *Real-Time Mac Activity & Family Location Monitor*

07/2025 – Present

- Designed and built **Pico**, a cross-platform device and family monitoring platform enabling real-time tracking of Mac activity, device status and location-based family presence.
- Developed a **real-time event streaming architecture** to synchronize device state changes (lock/unlock, sleep, battery, Wi-Fi, connectivity) instantly between macOS and mobile clients.
- Implemented remote device management features, including **push notifications**, remote messaging, device locking and phone ringing for paired devices.
- Built geofencing functionality with customizable **Safe Places** providing automated arrival and departure alerts for family members.

EDUCATION

Higher Institute of Applied Sciences and Technology of Sousse (ISSAT Sousse), *Computer science*

10/2021 – 06/2024

LANGUAGES

English | French | Arabic