

# Amir Sarsen

## Full-Stack Engineer

+33 (0)6 24 54 48 00

amir@sarsen.dev

Ivry-sur-Seine, France

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## PROFILE

Highly experienced Full-Stack Engineer focused on designing and developing performant, data-heavy applications. Expertise in full-stack debugging and strategic integration to consistently deliver highly available applications. Specialized in popular TypeScript and Python frameworks, recognized for enhancing overall code quality and speed.

## WORK EXPERIENCE

### **arkady** - Software engineer

Jan. 2024 - Apr. 2025

- Spearheaded the critical frontend optimization effort during migration to a NestJS microservices stack, specifically optimizing data fetching and state management to successfully leverage a 5x latency reduction for a superior user experience.
- Designed frontend data models and state management for the integration of new AI-powered verification services, supporting real-time status updates and capitalizing on a 50% latency reduction for smoother user journeys.
- Served as the primary full-stack expert for debugging and integration challenges between the new microservices architecture and the application, ensuring high availability and robust system stability.

### **Vinidaily** - Full-stack Developer

Sep. 2022 - Jan. 2024

- Led the critical mobile modernization by rewriting the entire React Native application from scratch, ensuring adherence to the latest best practices and versioning for long-term stability and maintainability.
- Drove the major backend migration from Firebase to a self-hosted NestJS architecture, which enabled custom logic and directly contributed to an 80% API response time improvement for the core mobile application.
- Developed a specialized Python tool utilizing OCR (Optical Character Recognition) to analyze bottle labels, extract relevant data, and estimate the best match based on provided keywords.

### **Niagara tech.** - Frontend Developer

Jan. 2022 - Sep. 2022

- Led frontend refactoring efforts on legacy codebases, reducing technical debt by 35%, focusing on component reusability and modern state patterns to accelerate feature delivery.
- Integrated Google Cloud services (e.g., Firebase), gaining familiarity with cloud provider interfaces and ensuring secure, scalable frontend deployment pipelines.
- Implemented a new, modular component architecture across key application areas, increasing component reusability by over 40% and standardizing modern state management across the team.

### **yogalive** - Full-stack Developer

Sep. 2020 - Jan. 2021

- Developed 10+ core backend APIs (Express.js) and implemented robust JWT-based authentication, securing user sessions and demonstrating a focus on security and full-stack integration patterns.

- Collaborated effectively within a 5-member remote team, consistently delivering features ahead of sprint deadlines and maintaining a high quality bar through diligent code reviews.
- Architected and implemented end-to-end features, demonstrating strong full-stack integration patterns and ownership from database design to final deployment.

### **Fund of the Assembly of the People of Kazakhstan** - Full-stack Developer

Aug. 2016 - Sep. 2018

- Developed and integrated Python web scraping scripts with Node.js services, demonstrating multi-language competence and ability to build custom solutions for data aggregation from multiple sources.
- Implemented and owned critical end-to-end features, showcasing strong foundational full-stack integration patterns from database design to production deployment.
- Collaborated closely with non-technical stakeholders to translate organizational requirements into technical specifications, ensuring accurate feature delivery and project alignment.

## **EDUCATION**

### **Architecte logiciel, développeur d'applications** | Sep. 2019 - Jul. 2024

*Epitech Paris* | BAC+5

## **LANGUAGES**

English: Advanced | Russian: Native | French: Advanced

## **CORE STACK**

Python | React | TypeScript | NestJS | Express.js | GraphQL | Vue.js

## **DATA & DEVOPS**

PostgreSQL | Mapbox | Docker | Amazon Web Services | Google Cloud Platform | Github/Gitlab | CI/CD

## **TOOLS**

VS Code | Gemini CLI | Postman