

# Hassan Bachir

Beirut, Lebanon

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[Portfolio](#) - [Email](#) - [LinkedIn](#) - [GitHub](#)

## Full-Stack Developer – Node.js, Next.js, PostgreSQL

Full-stack developer with 3+ years building production web apps using Node.js, Next.js, Prisma, and PostgreSQL.

Strong in backend API design, SQL, and pragmatic DevOps. Seeking to contribute to a product team where I can take ownership of a feature development end-to-end.

## SKILLS

### CORE SKILLS

- Languages: TypeScript, JavaScript (ES6+)
- Backend: Node.js, Fastify/Express, REST APIs, Auth (JWT/OAuth2)
- Databases: PostgreSQL, Prisma, SQL, MongoDB
- Frontend: Next.js, React, TailwindCSS
- Infra: Docker
- Caching: Redis
- Testing: Jest

### FAMILIAR WITH

- React Native, Angular, Laravel/PHP, MySQL
- WebSockets, GitHub Actions (CI)
- Microservices basics
- Kafka, RabbitMQ
- jQuery, Bootstrap

## EXPERIENCE

### Co-founder (Software/Platform Lead) Smart Gridz | Jan 2025 – Present

- Co-founded a clean-energy startup focused on enabling peer-to-peer energy sales for solar owners via a variable-rate platform.
- Secured pre-seed funding and partnership with the **United Nations Development Programme (UNDP)**.
- Leading the development of the software platform for energy flow management, dynamic pricing, billing, and user transactions.
- Developing the IoT integration model (Raspberry Pi/Arduino) to interface with solar systems for real-time energy metering and sales.

### Freelance Web Developer | Jan 2020 – Present

- Delivered multiple websites for retail and small businesses using Next.js/React and Laravel/PHP.
- Implemented authentication, CRUD operations, and COD/payment flows.
- Collaborated with clients to gather requirements, create wireframes, and deliver production-ready sites.

### Owner – Bachir AutoKeys (Beirut) | Jan 2017 – Jan 2025

- Founded and managed an automotive key services shop, overseeing customer service, operations, and inventory.
- Implemented streamlined processes that allowed the business to operate independently of daily oversight.
- Grew revenue and profitability by improving efficiency and training staff.

## PROJECTS

### [CaseCanvas](#) — Custom Phone Case Editor & E-commerce Platform (Next.js, TypeScript, PostgreSQL, Prisma) | Jan 2025 – Present

- Built phone-case customizer with image upload, cropping, and live preview, and COD checkout with order management and admin panel.
- Designed PostgreSQL schema with Prisma; added server-side validation and rate limits.
- Deployed on Vercel, optimized DB queries and caching.

### [Wallii](#) — AI-Powered Budgeting App (React Native, Node.js/Express, MongoDB, OpenAI API) | May 2023

- Developed a mobile app where users manage wallets, track expenses/incomes, set budgets/goals, and receive real-time AI financial advice.
- Built backend with Node.js/Express and MongoDB, adding secure auth and OpenAI API integration for personalized insights.
- Designed wireframes, then implemented a polished React Native UI using Material principles and custom animations for smooth navigation.

### [SharePrompts](#) — Prompt Sharing Platform (Next.js, MongoDB, NextAuth, TailwindCSS) | 2023

- Built a full-stack app for creating, editing, and sharing AI prompts with voting, profiles, and search/filter features.
- Implemented Google OAuth2 authentication and profile management via NextAuth.js with secure session handling.
- Designed responsive UI in TailwindCSS and optimized MongoDB queries/REST APIs for fast search by keyword, tag, and user.

## EDUCATION & TRAINING

### B.M. – Management Information Systems, Lebanese University, Beirut | 2018 – 2022

### SE Factory – Full-Stack Web Development Bootcamp | Feb – May 2023

- Intensive 14-week program covering Next.js, React, TypeScript, Node.js/Express, MongoDB, Git, Redux, Tailwind, Figma, and OAuth.

### SE Factory – Foundations of Computer Science | Oct – Dec 2022

- 9-week program on data structures, algorithms, and complexity analysis (Python).

**Automotive Mechatronics – ATC, Beirut** | Mar 2021 – Jun 2022

- 2-year training program in automotive mechanics and electrical systems.

**General Electronics – ATC, Beirut** | Jan 2020 – March 2021

- 13-week training program in general electronics and electrical systems.

**LANGUAGES** Arabic (Native), English (Fluent)