

9-Month Full-Stack Developer Project Roadmap

1. Employee Leave Management System (React + Express + PostgreSQL)

☑ *(already done, continue improving)*

- **Stack:** React.js, Express.js (Node), Tailwind CSS, PostgreSQL, JWT
- **Features:** Leave requests/approvals, role-based access (admin, manager, employee), dashboards, notifications.
- **Why it matters:** Real business case + you've already built it → polish and deploy.
- **Next Step:** Add reporting features (download leave history as PDF/Excel), push notifications, and CI/CD pipeline (GitHub Actions + Railway/Heroku).

2. Full-Stack SaaS Invoicing & Billing Platform *(expand your academic project)*

- **Stack:** ASP.NET Core (C#), React.js, SQL Server, Entity Framework Core
- **Features:** Invoice creation, PDF generation, client management, recurring billing, data visualization dashboards.
- **Why it matters:** SaaS projects are highly impressive → shows API design, business logic, and scalability.
- **Next Step:** Add payment integration (Stripe/PayFast) + multi-tenant support.

3. E-Commerce Platform (Angular + ASP.NET Core Web API + PostgreSQL)

- **Stack:** Angular, ASP.NET Core Web API, PostgreSQL, Tailwind CSS (with Angular integration)
- **Features:** Product catalog, shopping cart, checkout, JWT authentication, order history, admin dashboard.
- **Why it matters:** Covers a **classic full-stack challenge** + lets you **learn Angular** while leveraging your ASP.NET backend skills.

- **Next Step:** Add search, filters, and Stripe/PayFast payment gateway.

4. Social Blogging Platform (React + Express + MongoDB)

- **Stack:** React.js, Express.js (Node), MongoDB, Tailwind CSS
- **Features:** User profiles, blog creation/editing, likes/comments, JWT authentication, WYSIWYG editor (e.g., Quill.js).
- **Why it matters:** Introduces **NoSQL (MongoDB)**, strengthens API + front-end state management skills.
- **Next Step:** Add real-time features (Socket.io → live comments/notifications).

5. Project Management / Trello Clone (React + ASP.NET Core + SQL Server)

- **Stack:** React.js, ASP.NET Core Web API, SQL Server, Drag-and-drop UI (React Beautiful DnD)
- **Features:** Boards, task lists, drag-and-drop task movement, team collaboration, deadlines, and notifications.
- **Why it matters:** Employers love Trello-style apps → shows **UI/UX skills + complex state management**.
- **Next Step:** Add role-based access (team admin vs member) and calendar integration.

6. Job Application Tracker (Angular + Express + PostgreSQL)

- **Stack:** Angular, Express.js, PostgreSQL
- **Features:** Track jobs applied to, statuses (applied, interview, offer), notes, resume upload.
- **Why it matters:** Personal + professional → you'll use it yourself. Shows **practical CRUD app with file uploads**.
- **Next Step:** Deploy on cloud (Vercel + Railway), add analytics dashboard.

7. AI-Powered Chat Support System (React + Express + OpenAI API)

- **Stack:** React.js, Express.js, OpenAI API, Tailwind CSS
- **Features:** Chatbot assistant for FAQs, admin dashboard to manage responses, token-based authentication.
- **Why it matters:** Brings **AI into your portfolio** → modern and highly attractive to employers.
- **Next Step:** Train it with company FAQs (local JSON/DB).



Suggested Timeline (9 Months)

- **Months 1–2:** Polish **Leave Management System** + Expand **Invoicing Platform**
- **Months 3–4:** Build **E-Commerce Platform** (Angular + ASP.NET Core)
- **Months 5–6:** Build **Social Blogging Platform** (React + MongoDB)
- **Months 7–8:** Build **Project Management Tool** (React + ASP.NET Core)
- **Month 9:** Finish with **Job Tracker + AI Chat Support**