# Sujal Patel

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## Internships

**Backend Engineer Intern** | Venture Launcher Apr 2026 – Jul 2026

- **Developed backend services** for a founder matchmaking platform using **Node.js, Express.js, and TypeScript**..
- **Integrated AWS S3** for document storage and implemented backend services with **TypeScript**..
- **Designed relational database schema** using **Prisma ORM and PostgreSQL**.
- Built frontend interfaces using React and Next.js to support cross-functional needs.
- **Deployed services on AWS EC2** and created a **CI/CD pipeline using Docker and GitHub Actions**..

## Projects

**S-Drive – Secure Cloud Storage Platform**

- **Built a secure cloud storage backend** using **Express.js, MongoDB, Redis, and AWS S3**..
- Implemented **RBAC** for admin access and used **Redis for caching and session management**.
- Added **rate limiting, throttling, security headers, and Zod validation** to protect APIs from common attacks.

**KharchaBaki – Expense Tracker**

- Engineered backend service using **Express**, **Drizzle ORM**, and **PostgreSQL** with **Google OAuth** authentication.
- Developed a **React Native** mobile app with **Tailwind CSS**, following a **modular monolith architecture**.

**Blog API Service**

- Built RESTful API with **Express**, **TypeScript**, and **MongoDB** featuring stateless **JWT authentication**.
- Integrated **Cloudinary** for media management alongside features for comments, likes, and banner uploads.

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, GO, C++, SQL
**Backend:** Node.js, Express.js, REST APIs, JWT, OAuth
**Databases:** PostgreSQL, MongoDB, Redis
**Cloud & Devops:** AWS EC2, S3, Cloudfront, Cloudflare, Docker & Github actions.
**Frontend:** React, Next.js, React Native, Tailwind CSS
**Tools:** Git, Zed Editor, Vim, Postman, Insomnia