

TAHA MANAQUIB

India, MP | taha.manaquib53@gmail.com
[Github](#) | [LinkedIn](#)

Backend-focused Full Stack Engineer with **4+ years of experience** building authorization, billing, and integration systems for **multi-tenant SaaS** platforms on **Node.js, Express, and MongoDB**. Designed and owned **production authorization engines (RBAC and capability-based access control)**, built a from-scratch **OAuth 2.1** authorization server for an **MCP** integration, and led **PPP-priced Stripe billing** including mid-term **cross-currency migration**. Promoted to **Team Lead**; experienced mentoring engineers and running code reviews. Currently the **lead freelance contributor on a multi-country HR/payroll SaaS product** and open to **remote roles and contract work**.

TECHNICAL SKILLS

BACKEND & ARCHITECTURE

Node.js, Express.js, JavaScript, REST APIs, GraphQL, Microservices, API Architecture

AUTHORIZATION & SECURITY

OAuth 2.0/2.1, PKCE, JWT, RBAC, Capability-Based Authorization, Multi-Tenant Authorization

DATABASES & DATA ENGINEERING

MongoDB (Aggregation Pipelines, Indexing, Bulk Operations), Database Design, SQL, Google BigQuery

CACHING, QUEUES & BACKGROUND JOBS

Redis (Caching, Queues), BullMQ, Socket.IO, CronJobs, Streaming I/O

AI & INTELLIGENT SYSTEMS

Model Context Protocol (MCP) Servers, OpenAI Function Calling & Fine-Tuning, AI Chatbots

BILLING & PAYMENTS

Stripe (Subscriptions, Webhooks, Multi-currency Billing, Metered Add-ons), PayPal

FRONTEND TECHNOLOGIES

React.js, Redux, Next.js, Tailwind CSS, Shadcn UI

CLOUD, DEVOPS & DEPLOYMENT

Docker, CI/CD Pipelines, Vercel, AWS S3, Cloudinary

TOOLS & DEVELOPER EXPERIENCE

Git, Postman, ESLint, Prettier

PROFESSIONAL EXPERIENCE

HB WebSol

Senior Backend Developer → Team Lead

Jun 2022 – Mar 2026

- ✦ Promoted to Team Lead; managed 3 interns, owning task planning, mentoring, and performance guidance.
- ✦ Ran regular code reviews, set and enforced backend best practices, and raised overall code quality across the team.
- ✦ Designed and maintained scalable backend architectures using Node.js, Express, and GraphQL.
- ✦ Collaborated with frontend, product, and QA teams to ship production-ready features.

SELECTED PROJECTS

Naise — Multi-Tenant HR & Payroll SaaS

Full-Stack Engineer

Mar 2025 – Present

Node.js · Express · MongoDB · Next.js · Stripe · MCP · OAuth 2.1

- ✦ Contributed extensively to a **multi-tenant, multi-country HR/payroll SaaS**, working across backend architecture, frontend features, integrations, authorization, billing, and production workflows.
- ✦ Built an **MCP server exposing 31 HR, payroll, attendance, leave, and expense tools** to AI clients, backed by a custom OAuth 2.1 authorization server with PKCE and dynamic client registration.
- ✦ Designed a **capability-based authorization system** combining identity, permissions, data scope, and billing entitlements, with automated route-coverage checks and an offline authorization auditor.
- ✦ Contributed to statutory payroll for **India, Singapore, and Malaysia**, and Stripe subscription infrastructure including **PPP-based pricing** and **mid-term cross-currency migration**

AMS — Event & Workforce Management Platform

Backend Engineer | HB WebSol / Independent Contributor

Node.js · Express · MongoDB · Redis · BullMQ · Socket.IO · AWS S3

- ✦ Designed and owned a data-driven **RBAC system** supporting module, feature, action, sub-action, and entity-level permissions across **840+ REST endpoints**, with scoped access and per-user permission overrides.
- ✦ Implemented **delegated administration with privilege-escalation prevention**, allowing administrators to create and assign roles dynamically without granting permissions beyond their own authority.
- ✦ Built a **constant-memory streaming export pipeline** that streams files directly from AWS S3 through ZIP generation into the HTTP response, avoiding temporary storage and keeping memory usage independent of archive size.
- ✦ Hardened authorization at the **database query layer** by compiling user scope into MongoDB filters, preventing cross-scope data access/IDOR vulnerabilities.

ReTime — Work Measurement & Productivity Platform

Backend Engineer

- ✦ Built backend services powering multiple applications for **work measurement, efficiency, activity tracking, and role-based analytics**.
- ✦ Developed **dynamic Excel reporting** with complex formulas and multi-sheet references, integrated **AWS S3** for secure file storage, and automated email workflows.
- ✦ Platform used by global brands including **Sainsbury's, KFC, Amazon Fresh, and Centrepont**.

Upskill Reskill — AI Career & Recruitment Platform

Backend Engineer

- ✦ Developed backend systems for personalized career recommendations and user profiling, integrating **O*NET** and **LMI for All** APIs for occupation, skills, career-growth, and job-market data.
- ✦ Platform adopted by institutions including **Boston College, Cambridge Regional College, and Bradford College**.

EDUCATION

Bachelor of Computer Applications (BCA)

Sage University, Indore

CGPA: 8.55