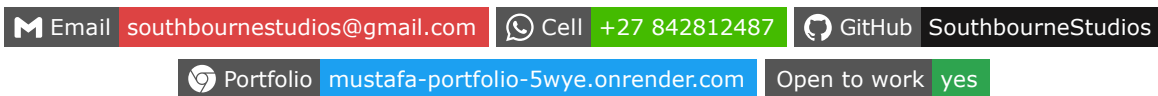


Mustafa Mohamud

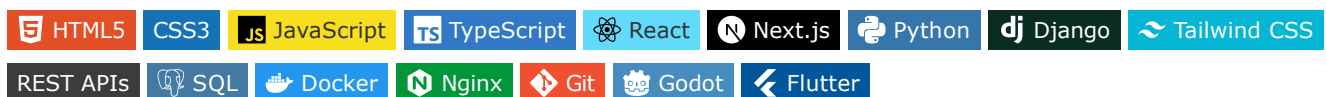
AI-Assisted Full-Stack Developer



Core Competencies

- **Web & Application Development:** Designing interactive dashboards and front-end architectures.
- **AI-Assisted / Agentic Development:** Fluent with `opencode` and `AGENTS.md` — using AI agents to scaffold, refactor, and ship features.
- **Data Engineering & Automation:** Building background automation and web-scraping systems.
- **Financial & Subscription Systems:** Integrating multi-tier billing models.
- **Cloud & Database Architecture:** Designing relational databases and implementing access-control security.
- **DevOps & Security:** Managing secure cloud hosting, user sessions, and localized testing environments.

Skills & Stack



AI-Assisted / Agentic Dev



Background

- **Retail (5+ years):**
 - **Client & Stakeholder Management:** Leveraged strong communication skills to solve customer pain points, navigate high-volume retail environments, and maintain exceptional service standards.
 - **Operations & POS Systems:** Handled daily point-of-sale transactions, financial reconciliations, and cash float auditing with strict accuracy.
 - **Inventory & Data Accuracy:** Managed stock tracking, inventory audits, and supply replenishment, gaining first-hand insight into commercial inventory lifecycles and business workflows.

Technical Experience & Projects

Full-Stack Development

- **Restaurant Site:** a Polished restaurant web presence — menu, bookings, and a fast, modern online home ready for real customers. (Next.js / React / TypeScript / Tailwind CSS) — [Live](#)
- **Futsurf — Football Analytics App:** interactive dashboard with dynamic filtering, metrics panels, and a visual paywall restricting premium features. (Python / Django / REST APIs) — [Live](#)

Data Engineering & Security Architectures

- **Automated Data Collection:** Engineered rate-limited web-scraping routines with dynamic proxy routing to extract external data reliably without triggering anti-bot protections.
- **Data Metrics & Modeling:** Created filters that clean raw web data and apply mathematical models to track live match-performance trends over time.
- **Hybrid Application Architecture:** Engineered a split platform where user interactions run on the front-end while security validations are handled by a lightweight server framework.
- **Server-Side Validation Engine:** Designed a tamper-proof pricing workflow, enforcing server-side calculation and data sanitization to mitigate client-side payload manipulation.

Systems & Cloud Infrastructure

- **Subscription & Billing Engine:** Integrated a payment gateway supporting multi-tier plans (Free, Base, Premium) with automated instant access adjustments.
- **Stateless Auth System:** Built a secure, token-based JWT authentication workflow with encrypted session storage, enhancing performance and security over cookie-based approaches.
- **Database Privacy Controls:** Modeled a relational database structure for users, products, and sales with strict privacy rules so users only access their own data.
- **System Maintenance Automation:** Programmed background CRON/Celery tasks to automate database maintenance, reducing inactive record bloat and optimizing query performance.
- **Secure Development Testing:** Set up an encrypted connection bridge to test local code changes against remote cloud databases without risking data leaks.