

# Omar Badr

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## EDUCATION

**San Diego State University**  
*Bachelor of Science in Computer Science*

San Diego, CA  
Aug. 2022 – May 2025

## EXPERIENCE

**Backend Software Engineer Intern**  
*PayPal*

May 2025 – Aug. 2025  
Austin, TX

- Incoming software engineer intern on Braintree's Merchant Onboarding & Servicing team

**Backend Software Engineer Intern**  
*BreatheIT Solutions*

Nov. 2024 – Feb. 2025  
Remote

- Developed backend with **Model-View-Controller** pattern, managing **28+** API endpoints for **CRUD** operations using **Node/Express**, **JWT authentication**, **PostgreSQL**, and error handling for date-based queries
- Built **OAuth 2.0** authorization system, implementing token encryption, session management, and automated token refresh with **Google API** and **PostgreSQL** storage
- Worked with front-end team using **React Native** to integrate user-facing features with **PostgreSQL** database, ensuring data synchronization and improving user experience
- Deployed updates on **Google Cloud Platform**, configuring **NGINX** for load balancing and using **PM2** for process management to ensure uptime and simplify deployment

**Full Stack Software Developer Intern**  
*Eligico*

May 2024 – Aug. 2024  
Los Angeles, CA

- Designed, developed, and maintained **5+** dynamic websites using **React**, **MySQL**, and **PHP**, reducing page load times by **20%** through performance optimization and enhancing user engagement by **15%** via improved UX/UI design
- Optimized **MySQL** database performance by normalizing schemas, adding indexes to key columns, and writing efficient queries, resulting in faster data retrieval and better scalability
- Managed containerized applications using **Docker**, to streamline development workflows and improve deployment efficiency

## PROJECTS

**Offside** | *React Native, TypeScript, Go, MongoDB, Redis* | [Github](#)

Jan. 2025 – Present

- Currently developing mobile soccer social platform with 3 developers using **React Native**, **TypeScript**, **Go**, and **MongoDB**, where users can post opinions, follow teams, and access personalized feeds of game schedules and sports news through **RESTful APIs**
- Implemented real-time chat functionality using **Gorilla WebSocket** protocol, allowing users to participate in game specific chat rooms with features like live messaging, room management, and user presence indicators
- Built an efficient content delivery system for sports articles and game schedules using **Redis**, reducing API calls by **70%** while ensuring data freshness through automated cache invalidation

**LLM Prompt Enhancer Chrome Extension** | *Javascript, OpenAI API* | [Link](#) | [Github](#)

Jul. 2024 – Present

- Built a Chrome extension that expands user prompts using a custom **GPT-3.5 model fine-tuned on 1000+** prompt-completion pairs in **JSONL** format
- Released the extension on Chrome Web Store, achieving **25+ downloads** and maintaining a **5-star rating**
- Engineered the extension architecture with Chrome's message passing system, secure API key handling, and persistent storage for user preferences and history

## TECHNICAL SKILLS

**Languages:** JavaScript, Java, Python, Go, SQL, HTML/CSS

**Technologies:** React, Node, Express, Tailwind, MongoDB, MySQL, PostgreSQL

**Developer Tools:** Git, Docker, Google Cloud Platform, Postman