

ABDULKAREEM MOHAMMED

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EXPERIENCE

Software Engineer

Campus2Career, LLC

Remote
Aug 2025 – Present

Early-stage startup building a job application management platform.

- Built backend authentication and session infrastructure in Go, implementing signup/login/logout flows, secure cookie sessions, and default personal-workspace bootstrap on PostgreSQL.
- Developed dashboard, settings, and usage APIs for a Next.js/TypeScript frontend, exposing plan limits, quota messaging, upcoming reminders, and recent activity summaries.
- Implemented shared platform middleware and API infrastructure, including request logging, centralized error handling, workspace resolution, and rate-limiting foundations.
- Set up AWS and Docker-based deployment workflows to support repeatable staging releases and reliable frontend/backend integration.

University of Central Florida

Graduate Teaching Assistant, Computer Science I

Orlando, FL
May 2024 – Aug 2024

- Taught a **72**-student section covering recursion, abstract data types, AVL trees, sorting/searching, and dynamic programming.
- Led weekly C programming labs and mentored students through debugging, asymptotic analysis, and algorithm design in 1:1 and small-group sessions.
- Contributed to an average final grade of **A** for the section versus **A-** across other sections through supplemental instruction and extended support.

PROJECTS

Novel Translator

Go, React, PostgreSQL, Docker, REST API

- Built and Dockerized a full-stack translation platform with one-command deployment, startup migrations, and service tuning to simplify local setup and improve reliability.
- Engineered an automated translation pipeline integrating **2** LLM providers with **3** background workers for chapter ingestion, translation, auditing, and restart-safe recovery.
- Developed a JWT-authenticated Chi REST API and editorial workflow with **3** user roles, glossary-based terminology matching, and paginated review queues to improve translation consistency.

Chirpy — Microblogging Service

Go, PostgreSQL, Docker, AWS

- Built a microblogging backend with JWT and refresh-token authentication, RBAC, and CRUD APIs for posts and user workflows.
- Automated schema migrations with Goose, generated type-safe SQL using `sqlc`, and deployed the service on EC2 behind Nginx with health checks and CloudWatch logging.

Gator — Blog Aggregator CLI

Go, PostgreSQL, RabbitMQ

- Built a CLI-based blog aggregator that published feed-fetch jobs and processed them concurrently with worker consumers.
- Designed idempotent ingestion flows, back-pressure handling, and configurable rate limits to support reliable pub/sub-style feed processing.

EDUCATION

University of Central Florida

Master of Science in Computer Science

Orlando, FL
May 2025

Osmania University

Bachelor of Engineering in Computer Science and Engineering

Hyderabad, India
Jun 2023

SKILLS

Languages:	Go, Python, JavaScript, SQL, C
Frameworks/Libraries:	Chi, React
Databases/Messaging:	PostgreSQL, MySQL, SQLite, Redis, RabbitMQ
Cloud/Tools:	AWS, Docker, Git, GitHub Actions, Nginx, Unix/Linux
Concepts:	REST APIs, CI/CD, Authentication/Authorization, Background Jobs, RAG