Karim Yakoub

U.S Citizen | 862-686-2390 | karimyakoub1515@gmail.com | karimyakoub.com | linkedin.com/in/karim-yakoub | github

EDUCATION

Oregon State University   Corvallis, OR
Bachelor of Science in Computer Science   *Graduated May 2025*

WORK EXPERIENCE

Software Engineer   Jan. 2025 – Present
MINDHOP, INC   *White Plains, NY*

- Accomplished a 40% reduction in redundant API calls and significantly boosted app performance through the refactoring of 3,000+ lines of legacy React code using React Query.
- Achieved a 30% decrease in dashboard load time through query tuning and index optimization using PostgREST and PostgreSQL.
- Streamlined full-stack release cycles and reduced deployment time through workflow automation using Dockerfiles and GitHub Actions CI/CD pipelines.
- Accelerated feature delivery speed and improved code consistency through the development of 10+ reusable UI components using Next.js and Tailwind CSS.
- Enabled advanced location-based filtering and geo-spatial analytics through optimized query logic using PostGIS with PostgreSQL.
- Improved application deployment consistency through automated full-stack deployments using AWS EC2.
- Increased user engagement by 30% and enhanced data visualization performance by 40% through building interactive tables and charts using KendoReact and eCharts.

Junior Software Engineer   Jan. 2023 – Dec. 2024
Bonny Systems   *Wayne, NJ*

- Supported 1,000+ daily API requests and improved backend scalability through server-side feature development using Node.js and TypeScript.
- Boosted endpoint performance by 20% and increased concurrent user capacity by 50% through database optimization using PostgreSQL and RESTful API design.
- Delivered a minimal viable backend in under two sprints through agile collaboration with frontend engineers using story point decomposition and sprint planning.
- Enhanced cross-device user experience and reduced page load time by 30% through building scalable, responsive applications using React and optimized asset loading strategies.

PROJECTS

Professional E-Commerce Store – RPM Pickleball | *TypeScript, Next.js, React, PostgreSQL*   Live Web Link

- Delivered a responsive e-commerce platform using Next.js, React, and PostgreSQL by designing a custom storefront and integrating the Shop API for secure checkout.
- Increased conversions and improved UX by building dynamic product and cart components in React with real-time pricing and API data.
- Achieved 2,000+ successful transactions through secure order handling and stable Shop API integration backed by PostgreSQL.

Vocab Buddy IOS App | *TypeScript, React Native, Supabase, Docker*

- Developed an iOS app to track vocabulary from books and reinforce learning through interactive flashcard games.
- Built a responsive and intuitive mobile interface using React Native and TypeScript, improving user engagement and retention.
- Integrated a PostgreSQL database using Supabase to combine Authentication and Authorization for application.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, SQL (PostgreSQL), HTML, CSS
Frameworks: React, Node.js, Express.js, Next.js, Spring Boot, Flask, Material-UI, FastAPI
Developer Tools: Git, Docker, AWS, Postman, Supabase, VS Code, PyCharm, IntelliJ, Linux
Methodologies & Practices: Scrum, Agile, Test Driven Development, E2E Testing, Quality Assurance, Web Application Development, API Development, E-Commerce