YUSUF QUDDUS | Mountain View, CA (Open to Remote Positions & Relocating)

510.396-4145 | yusufquddus0@gmail.com | linkedln.com.in/yusuf-quddus | github.com/yusuf-quddus

Professional Experience

Full Stack Software Engineer | RDesk Services (Contract)   2024 to 2025
- Built and deployed a responsive full-stack website using React and Node.js to showcase RDesk's IT services Startup; integrated PostgreSQL via AWS RDS for secure user data storage and deployed on Render.io and hosted on GitHub (https://github.com/yusuf-quddus/RDESK).
- Collaborated with founders to design intuitive, brand-aligned UI components and translate business goals into functional web features.
- Executed a cloud migration of ~2 TB of business data—including VM HDD files from Virtual Machine Manager and NAS backups—to Azure Blob Storage using AzCopy and shell scripting, enhancing durability and redundancy.

Data Center Technician | Google via Tezerakt (Contract)   2025 to Present
- Managed Google's on-site device lab supporting testing infrastructure for Android, ChromeOS, Android Auto, and wearable platforms.
- Deployed and configured Linux-based test hosts using shell scripts and YAML automation to initialize networked devices at scale
- Oversaw and maintained racks of consumer devices used in high-scale QA pipelines, ensuring consistent device availability and performance.
- Diagnosed and resolved device connectivity, flashing, and power issues using ROM recovery and system-level debugging tools.
- Collaborated cross-functionally with engineers to troubleshoot test failures, escalate device health issues, and optimize test throughput.

Coding Instructor | Brains and Motion   2024
- Developed and delivered project-based coding curriculum for groups of 5–10 middle school students using MakeCode, Scratch, and Python.
- Taught foundational programming concepts through interactive lessons focused on logic, problem-solving, and creativity.

Project Portfolio

Cloud Powered Portfolio | configured AWS Cloud infrastructure to host personal portfolio site (https://github.com/yusuf-quddus/yusuf-portfolio).
- Developed a cloud-hosted React portfolio site, served with AWS S3 bucket and globally distributed via Amazon CloudFront, with automated end-to-end CI/CD pipeline in GitHub Actions that builds, deploys, invalidates caches, and manages environment-specific configuration.
- Engineered a serverless contact form backend using Amazon API Gateway (HTTP API), AWS Lambda (Node.js), and Amazon SES for reliable email delivery—secured by least-privilege IAM roles, CORS policies, Amazon CloudWatch logging and metrics.

RPGShowcase | full-stack RESTful website enabling users to post/display TTRPG characters (github.com/yusuf-quddus/RPG-Showcase).
- Leveraged React.js, CSS, and material UI to implement front-end interface; Developed back-end API with Node.js and express.js
- Deployed token-based authentication using JSON web tokens; utilized MongoDB and AWS S3 for data persistence and user login data.

Pintos Operating System | collaborative project to implement Pintos, an instructional OS developed by Stanford, using C programming
- Implemented program syscalls and file operation syscalls along with multithreading functionality and thread prioritization.
- Allowed users to manipulate files in subdirectories through the design and introduction of a Fast File System.

Education

Bachelor of Arts (BA) in Computer Science | *University of California, Berkeley* | GPA 3.64

Relevant Coursework: Operating Systems & System Programming, Introduction to Database Systems, Computer Security, Computer Architecture, Principles & Techniques in Data Science, Data Structures, Quantitative Linguistics, Semantics, Efficient Algorithms and Intractable Problems

Volunteer Leadership Experience

Co-Founder & Co-President | Cracking the Code Interview at Berkeley   2022 to 2023
Launched student organization dedicated to studying LeetCode style technical interviews. Planned and managed events, encouraging 15-20 members to develop their computer science technical interview skills. Organized workshops and lectures to teach algorithms concepts and general interview skills.

Financial Officer | Berke1337 Cyber Security   2023
Managed club finances to support member participation in local and national CTF competitions (including NCL). Pursued and secured funding, successfully obtaining sponsorship from ASUC, Berkeley's student body. Worked with other student organization leaders to plan curriculum and teach relevant cyber security topics and concepts, including user authentication, SQL injections, hashing and encrypting passwords, and attack response.

Certifications & Awards

AWS Certified Cloud Practitioner | *Amazon Web Services (AWS)* | January 2025
Cal Alumni Association Leadership Award | *Cal Alumni Association* | September 2021

Technical Skills

Python | C | C++ | Java | Golang | Node.js | React.js | Git | SQL | Next.js | JavaScript | HTML | CSS | MongoDB | REST
Express.js | MASM | Operating Systems | OOP | Software Development | Programming | Debugging & Troubleshooting
Web Development | Database Management | System Configuration | Scripting | Automation | Technical Documentation |
Spring | Spring Boot | CI/CD | Docker | TypeScript | Leadership | Teaching | Data Analysis | AWS | Computer Security