

YUSUF QUDDUS

| Mountain View, CA (Open to Remote Positions & Relocating)
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Professional Experience

Full Stack Software Engineer | RDesk (Contract)

2024 to Present

- Built and deployed a responsive full-stack website using React and Node.js to showcase RDesk's IT services; 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.

Lab 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.
- Oversaw and maintained racks of consumer devices used in high-scale QA pipelines, ensuring consistent device availability and performance.
- Deployed and configured network hosts using shell scripts and YAML configuration files to initialize and update testing environments.
- Diagnosed and resolved network and device-level issues across the lab using internal debugging tools and hands-on troubleshooting methods.
- Recovered bricked or disconnected devices using ROM recovery or by flashing stable builds, minimizing downtime and test disruptions.

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 | Berkeley 337 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