Yousef Al-Shinnawi

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Work Experience

Meta, Menlo Park, CA   Feb 2022 - Present
Senior Software Engineer - Notifications & Meta Account Creation

- Led/executed the development of the Meta Account Registration flow for Horizon Worlds on horizon.meta.com, a social virtual reality platform where users can explore virtual worlds.

- Designed state machine for Meta Wearables App (MWA) Login and Bootstrapping flows on iOS & Android enabling the creation of Meta Accounts for Meta Rayban & Augmented Reality Device setup as well as handling all logging, error handling, and user gating based on age & location on launch day.

- Reshaped Facebook & Instagram linking/unlinking legal disclosures under new Meta rebranding leading the change of sensitive legal language across 30+ scenarios with cross-functional partners to mitigate EU lawsuits. These changes increased Facebook & Instagram linking by 10 million users annually.

- Designed and launched a system to integrate Meta AI Llama 8B model with prompt engineering to enhance birthday notifications across the world optimizing content based on user interests on Facebook increasing global click through rate by 6%.

- Collaborated with cross-functional partners to build birthday wish scheduling on Facebook mobile platforms. Designed a fail-proof system with scheduling retry logic, storing user's birthday wishes and enabling push/jewel notifications to create user reach increasing the number of Birthday Posts by 2.3% and adding an additional 0.08% daily active users.

Zillow, San Francisco, CA   June - Aug 2021
Software Engineering Intern - Account Security

- Launched rate-limiting mechanism for multi-factor authentication on web login for Zillow.com preventing DoS attacks, a website with over 215 million visits per month.

- Designed an efficient deque cache algorithm leveraging Redis for fast access and easy insertion per user account/device.

- Enabled testing with JUnit using Mockito and integration tests using Groovy. Spun up services using Terraform, AWS, logged the entire flow and created a dashboard using Grafana to verify production behavior.

Naval Postgraduate School (NPS), Monterey, CA   June - Aug 2019
NREIP Intern - Hardware/Software

- Designed PCBs in Altium and soldered all components for a High-Altitude Balloon (HAB) in a high security satellites lab.

- Developed the first HAB at NPS with watchdog timer software and lead rechargeable batteries to fly over 50,000 ft. (20% better than the previous years)

Skills

- **Languages:** Python, Java, Hack, C, Go, C++, JavaScript, HTML, CSS, SQL, OCaml

- **Tools/Libraries/OS:** LLM, PyTorch, Git, Linux, GraphQL, React, Hive, Scuba, Redis, Spring, Groovy

Education

University of California, Berkeley, CA   2019 - 2021
Bachelor of Science in Electrical Engineering and Computer Science (EECS)
UC Regents' and Chancellor's Scholar