Mohammed Ajao

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WORK EXPERIENCE

Meta (formerly Facebook) — Menlo Park, CA
Fullstack Software Engineering Intern — *Jun. 2022 – Sep. 2022*
- Introduced NLP feature, improved runtime via code refactors, & gave users more agency by letting them select past features as a part of a feature migration project leading to a 615M userbase growth & 900% launch growth projection
- Scoped redesign & implemented group suggestion feature and adjacent (groups, promotions & ranked feeds) products leading to an increased crossposts of marketplace and group listings by 1000% & 600% respectively
- Identified improvement points and points of contingency using unit & e2e testing, frequent A/B testing, code reviews, & created engineering plans with sister teams (10+ people)

Meta (formerly Facebook) — New York, NY
Fullstack Software Engineering Intern — *Jun. 2021 – Sep. 2021*
- Implemented personalization features for Marketplace product after using SOLID principles and AGILE methodologies
- Identified missing logging points and enriched them to aid CI/CD runs and data flow analysis via by correlating APIs with user edge context
- Developed unit tests, A/B testing and core Facebook Marketplace experience experiments to identify user needs

Meta (formerly Facebook) — New York, NY
Mobile Software Engineering Intern — *Jun. 2020 – Sep. 2020*
- Developed, designed, and scoped feature-rich meme-sharing app with a ranked feed algorithm using React, Java, and Parse

BuzzFeed — New York, NY
Backend Software Engineering Intern, HackNY Fellow — *Jun. 2019 – Sep. 2019*
- Developed system-wide geo-enrichment service for downstream data pipeline and throttling for millions of concurrent users
- Enriched 100M+ messages weekly from AWS & GCP pipeline with redundacy, integration, and unit testing with RabbitMQ
- Implemented load/stress/integration/e2e testing for service & Presented service architecture using Golang, Python, & Cron

UStart — New York, NY
Backend Software Engineering Intern — *Sep. 2018 – Dec. 2018*
- Developed and designed Golang REST API structure with ElasticSearch integration to migrate monolithic architecture into a micro-service architecture of 7+ services for startup
- Worked with graduate students on scalable system designs by using SOLID principles for modular integrations

PROJECTS & VOLUNTEER EXPERIENCE

Context Aware Dialogue System | *C#, Unity* — May. 2023
- Created an AI fuzzy pattern matching framework based off of Valve's dialogue system from their GDC talk

Tech Lead & Software Architect | *NuxtJS, Vue.js, Javascript, Google Analytics* — Feb. 2019 - May. 2022
- Created professional website and several semesterly projects for student organization resulting in an increase of 200+ MAU
- Led several teams of three, sprints, led discussions, scoped software specifications, analytics engine, and designed workflows

NYC CS Fair Student Showcase AI | *Lua, Roblox API* — March 2017
- Became a first-generation winner & was featured in a Microsoft publication for visualizing OOP vs functional paradigms
- Developed scalable AI using A* algorithm with rendered polymorphism/encapsulation and runtime visualization

Bloxxers | *Lua, Roblox API* — March 2017
- Developed first ROBLOX brawler with 100+ monthly active users and 3K downloads/visits and was awarded RBXDev entry
- Developed custom framework, autonomous database, UI/UX, & custom datastructures using Lua & functional programming

EDUCATION

New York University — New York, NY
Bachelor of Science in Computer Science — *May 2023*

TECHNICAL SKILLS

Languages: Java, PHP, Python, C/C++, C#, SQL, Javascript/Typescript, HTML/CSS, Golang, Lua, MongoDB, GraphQL
Frameworks: React, React Native, React Relay, Next.js, Laravel, Adonis, Vue, Angular, Node.js, Flask, Django, Mocha, Jest
Developer Tools: Git, NodeJS, Docker, AWS, Google Cloud Platform, VS Code, PyCharm, IntelliJ, Eclipse, Unity, AdobeXD
More: pandas, NumPy, Matplotlib, NuxtJS, Babel, Webpack, Yarn, Nginx, OAuth

OTHER SKILLS & AWARDS

All: Project Management, UI/UX Design, Mobile Development, Game Development
Languages: English (Native), Korean (Intermediate), Mandarin (Basic)
Awards: Google Innovation Challenge 2nd Place, NYC CS Fair Student Showcase Winner, HackNY Alumnus
Organizations: G-SWEP (Google), HackNY, All Star Code, Basta, Theta Tau, RBXDev