Amaan Marfatia

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EXPERIENCE

Android Engineer   **Apr. 2022 – Present**
LinkedIn   *Sunnyvale, CA*
- Worked as the sole Android engineer on the Premium Management team on the flagship LinkedIn app.
- Created multiple A/B tests to increase user acquisition and retention resulting in $750K+ in annualized revenue from Android subscriptions alone.
- Planned and executed redesigns for the My Premium, Premium Cancellation, and Premium Welcome flows over all three frontend clients and rewrote the flows for Android. This resulted in over $3M+ annualized revenue.
- Added tracking metrics for API endpoints to monitor issues and downtime for Android clients.
- Working on a centralized SDUI task force to convert the Android, iOS, and web apps into thin clients.

Full Stack Android Engineer   **Aug. 2021 – Apr. 2022**
Match Group   *Dallas, TX*
- Continued working on the Android dating app Ship that I created during my internship.
- Created a Docker hosted Ktor backend API along with OpenAPI documentation to manifest an internal innovation project for user safety that was implemented by multiple brands including Tinder.
- Worked with and incorporated many solutions such as AWS DynamoDB, ECR, ECS, and HashiCorp Vault.

Software Development Engineering Intern   **May 2020 – Aug. 2020, May 2021 – Aug. 2021**
Amazon (AWS)   *Seattle, WA*
- Worked on the X-Ray CloudWatch team and contributed using Java and XML.
- Created an internal service to export X-Ray distributed tracing data in the New Relic format.
- Investigated and updated X-Ray architecture to accept and process W3C distributed traces.
- Used AWS DynamoDB, S3, CodeDeploy, and EC2 to run and deploy the service.

EDUCATION

Georgia Institute of Technology   **Atlanta, GA**
M.S. in Computer Science   *Aug. 2021 – May 2023*
- Concentration in Computing Systems   GPA: 4.0

Georgia Institute of Technology   **Atlanta, GA**
B.S. in Computer Science and Mathematics (Highest Honors)   *Aug. 2017 – May 2021*
- Concentrations: Information/Internetworks, Systems and Architecture   GPA: 4.0

PUBLICATIONS

Maia: Matrix Inversion Acceleration Near Memory   **2022**
B. Asgari, D. Ramchandani, **A. Marfatia** and H. Kim
https://ieeexplore.ieee.org/document/10035196

Copernicus: Characterizing the Performance Implications of Compression Formats Used in Sparse Workloads   **2021**
B. Asgari, R. Hadidi, J. Dierberger, C. Steinichen, **A. Marfatia**, H. Kim
https://arxiv.org/abs/2011.10932

PROJECTS

Sheltr — Project for Objects and Design Class
- Collaborated with classmates to make an Android app that enables users to easily find nearby homeless shelters using filters for shelter restrictions through the Google Maps API to show shelter locations.
- Used Google Firebase for authentication and NoSQL database storage of shelter information.

SKILLS / LANGUAGES

Programming Languages: Kotlin, Java, C, C++, Python, SQL, Dart, JavaScript, TypeScript
Technologies: Android, Kusto, SDUI, Ktor, AWS, Git, GitHub, Docker, Jenkins, Flutter, Firebase, Electron, React