

# Aseem Sane

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## EXPERIENCE

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### Software Engineer

May 2021 – Present

*Meta*

*New York, NY*

- As part of Messaging Infrastructure team, headed projects to build storage systems for Messenger/Instagram Direct and their use cases, including encrypted and GenAI chats
- Designed attribution pipelines and developed storage format optimizations for MW-scale database capacity savings
- Managed internal company-wide support group for messaging security asks and developed privacy and security systems for data integrity
- Prototyped and led feasibility testing of new real-time messaging storage systems and greatly optimized new system latency
- Managed operations and on-call for messaging storage services serving billions of requests per day
- Developed internal-facing frameworks and tools to improve efficiency for messaging data migrations and drove multiple data migrations to completion over trillions of rows
- As Intern Manager, designed intern project and supported summer intern

### Software Engineering Intern

June 2020 – Sep. 2020

*Facebook*

*Menlo Park, CA*

- Designed, developed, and tested search result blending models in C++ for Facebook Marketplace to combine products across search spaces and improve ordering methods according to product metrics and relevance
- Implemented data pipelines to gather and analyze structured training data for blending models consisting of millions of products
- Ran experiments to verify improved user engagement from new models and presented results to the team

### Software Developer Intern

June 2019 – Sep. 2019

*IBM*

*Austin, TX*

- Built and tested policy controllers end-to-end in Golang to inform and enforce security compliance and encryption for Kubernetes clusters as part of IBM Cloud Services
- Deployed policy controllers as containerized software to work across clusters with Red Hat OpenShift and IBM Multicloud Manager, increasing the products' value and versatility for clients' workloads

## EDUCATION

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### University of California, Los Angeles

Los Angeles, CA

*B.S. in Computer Science and Engineering*

*Sep. 2017 – Mar. 2021*

- GPA: 3.90, Magna Cum Laude
- Coursework: Algorithms and Complexity, Artificial Intelligence, Operating Systems, Machine Learning

## TECHNICAL SKILLS

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**Languages:** C++, Java, Python, C, SQL, JavaScript, PHP/Hack, HTML/CSS, Go, Lisp, Verilog

**Frameworks/Libraries:** NoSQL (MongoDB, DynamoDB, Firebase), React, Node.js, Express.js, Guice, JUnit, Docker, Kubernetes, TensorFlow, NumPy, Matplotlib

**Development Tools:** Git, GitHub, Bash, VS Code, IntelliJ, AWS, Azure

## PROJECTS

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### UCLA DevX - StudySmart | *Node.js, Express.js, AWS DynamoDB*

Sep. 2018 – Sep. 2019

- Introduced REST API back-end and JS scrapers with AWS DynamoDB for the StudySmart app for robust queries
- Launched and tested app with TestFlight, demoed to 500+ students

### UCLA ACM - TeachLA IDE | *React, Node.js, Express.js, Firebase*

Jan. 2019 – Aug. 2019

- Developed React IDE functionality and REST endpoints for student uses such as saving code sketches and classes
- Designed Firebase NoSQL DB structure for faster access to classes and sketches