Htet Myat Aung

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Experience

Coinbase   *Feb 2024 – Present*
Software Engineer II

- Platformized **user and organization identities** into a unified service to support **Coinbase Business**, now powering **authentication and profile workflows** across multiple internal systems
- Scaled the **login orchestration system** to handle **15x traffic growth** by resolving load-testing bottlenecks (**reduced DB queries**, **optimized sort keys**, **upgraded Redis** for I/O multiplexing)
- Saved **$3.1M annually** by optimizing international **SMS and ID verification flows**, integrating **cost-effective vendors**, and improving **global service reliability**
- Mentored **summer interns** to deliver a **production-grade feature** that reduced **customer operations workload by 20%**, leading to **return offers**

Coinbase   *Jun 2022 – Jan 2024*
Software Engineer

- Led **passkey sign-in adoption**, improving **login success rate** from **75% → 95%** and reducing **authentication time** from **60s → 6s**, collaborating with multiple **cross-functional teams**
- Developed a **GDPR-compliant deletion pipeline** using **Kafka**, processing **7M+ user deletions** across **DynamoDB and MongoDB**
- Improved service uptime (**SLO: 99.9% → 99.999%**) through **collaborative efforts** to address **performance bottlenecks** and strengthen **system resilience**
- Migrated a **Redis-backed auth service** across **AWS accounts** with **zero downtime**, ensuring **data consistency** and uninterrupted **user sessions**

Coinbase   *May 2021 – Aug 2021*
Software Engineer Intern

- Built **ETL pipelines** for **change data capture** initiative using PostgreSQL, Snowflake, Debezium, Kafka, and Airflow, reducing ETL time **from hours to minutes**
- Implemented a gRPC-based CLI for managing **EMR (Elastic Map Reduce)** jobs, simplifying workflows for data scientists and machine learning engineers
- Created architecture diagrams to document technical solutions and delivered a **final presentation** to stakeholders, showcasing project outcomes and key learnings

Nexlabs   *Jun 2020 – Aug 2020*
Software Engineer Intern

- Developed a **payment hub** for transactions between e-commerce platforms and gateways
- Contributed to **API designs** and architecture discussions, aligning with system requirements
- Enhanced scalability and reliability through **unit tests** and efficient JIRA task management

Education

University of Maryland, College Park
BS Computer Science

Skills

Languages: Golang, Python, JavaScript, Java, SQL

Technologies: Kafka, Bash, Docker, Redis, MongoDB, PostgreSQL, React, GraphQL, Airflow

Cloud Platforms: AWS (S3, DynamoDB, Lambda, CloudWatch), Kubernetes, Istio, Datadog