

Di Fei (Daniel) Chen

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EXPERIENCE

JP Morgan Chase Bank

SOFTWARE ENGINEER III

March 2023 – Present

- Leading a team of 7 to migrate data pipeline from on-prem to AWS, designing new data flows, reducing circular dependencies and streamline logical flows to minimize learning curve of business logic.
- Lead redesign and implementation of banker sales and incentive reporting onto AWS, making it easier for bankers and branch managers to more easily access their sales and incentive data.
- Design and implement data ingestion patterns for our new Business Incentive Platform that process all banking sales and incentive data across JPMC, removing dependencies on legacy software and systems and enabling better data access control via data as a service.

Amazon Web Services

SOFTWARE DEVELOPMENT ENGINEER

September 2021 – October 2022

- Designed and implemented a new feature for the result delivery system in AWS Macie that allows for 3x the traffic throughput.
- Mitigated missing API validation due to bugs in AWS SDK to ensure security standards are upheld, despite breaking change.
- Improved detection of credit card expiry dates in AWS Macie to match other products on the market.

Capital One

SENIOR ASSOCIATE SOFTWARE ENGINEER

February 2021 – September 2021

- Coordinated end-to-end workflow for endpoint migration to increase stability and resiliency when retrieving bureau data from partners by providing detailed timeline breakdown and engineering efforts.
- Developed pre-calculate attributes in self-serve credit policy platform UI to simplify the process for business teams to create credit policies, using React and Jest.

ASSOCIATE SOFTWARE ENGINEER

September 2019 – February 2021

- Developed API consumed by the Web and Mobile platform, enabling digital redemption of Costco coupons which lead to \$660k in savings for the business, winning the Q1 Beacon award for 2021. Using Spring Boot and DynamoDB.
- Modernized batch jobs to spin up EMRs instead of submitting to spark clusters hosted on EC2, leveraging S3 event triggers and Lambdas to reduce cost by 75%.
- Onboarded deployment of Lambda, RDS, S3 services onto Dev-ops pipeline, reducing maintenance time for compliance and vulnerability remediation work by 80%.

EDUCATION

University of Toronto

Bachelor of Science, Computer Science, Class of 2019

Certifications: AWS Solution Architect Associate, AWS Developer Associate