Deen Aariff

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EXPERIENCE

Software Engineer, Payments **Fast - Remote** **January 2021 - Present**
- Leading an effort of 5 engineers to re-architect and migrate Fast's payment system to support new payment methods like Buy Now Pay Later, Fast Cash, and additional international payment methods
- Enabled the launch of Fast in Australia and New Zealand by implementing payment routing logic across distinct payment processor regions supported by a "Just In Time" data replication system
- Improved data quality, auditing mechanisms, and query performance (~500%) of Fast's financial reporting capabilities by migrating existing systems to Snowflake and DBT pipelines
- Developed internal automation around chargeback flows to eliminate manual efforts to reconcile money from Sellers and the Fast platform in the event of disputed payments

Software Engineer 3, Checkout Experience **eBay - San Jose, CA** **September 2019 - January 2021**
- Led backend implementation of eBay's minimized checkout experience on eBay's "View Item" page on iOS and Android
- Implemented a Recurrent Neural Network data pipeline and Machine Learning Model (LSTM) to optimize the creation of eBay Shopping Carts by a factor of 30 given successful predictions
- Integrated eBay checkout with a custom PayPal SDK to improve conversion for remembered users and developed a tiered resiliency model to handle failure scenarios

Software Engineer 2, Checkout Experience **eBay - San Jose, CA** **June 2018 - September 2019**
- Prototyped and productionized an integration with Payment Request API (W3C standard) on eBay's Checkout Page
- Created a novel automation framework that utilized dynamically generated test data for eBay's Seller Invoice Page

Student Developer Advocate **Nirmata - San Jose, CA** **December 2017 - May 2018**
- Published technical content and tutorials to educate software professionals about Kubernetes and Nirmata

Cloud Platform Engineering Intern **SAP - Palo Alto, CA** **June 2017 - September 2017**
- Protyped Kubernetes for Docker workload orchestration on Amazon Web Services
- Migrated the Init System scripts from Upstart to Systemd for Ubuntu 16.04

Software Engineering Intern **Kohl's Digital Technology - Milpitas, CA** **June 2016 - August 2016**
- Awarded 1st Place out of 11 teams for prototyping and presenting an innovative software solution to Kohl's Leadership.
- Utilized Node.js asynchronous IO to improve response time of the analytics querying API by 287%

TECHNICAL SKILLS

Programming Languages*: Golang, Java, Python, Node.js*

Technologies*: DynamoDB, SQL, ElasticSearch, Kubernetes, Docker, Snowflake, AWS Lambda, Payment Processors, ACH*

EDUCATION

Georgia Institute Of Technology - Class of 2022 **Online (Part Time)**
M.S. Computer Science 2020 - 2022

Santa Clara University - Class of 2018 **Santa Clara, CA**
B.S. Computer Science and Mathematics (Double Major) *2015 – 2018*

OPEN SOURCE CONTRIBUTIONS / PROJECTS

Simplified OpenStack Swift Distributed Object Store (Python) https://github.com/deenaariff/Distributed-File-Store
Distributed Value Key Store (RAFT Consensus) (Java) https://github.com/deenaariff/Weave