Sean Nguyen

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SUMMARY SKILLS

Backend engineer with experiences of developing, deploying, operating and maintaining systems with high-availability and resilience. I also have good exposure to dev-ops and front-end client technologies. My main strength is the ability to learn and adapt quickly with new technologies and tools. Values system observability and prioritizing planning and implementing for observability early in the design phase of a system.

EMPLOYMENT EXPERIENCE

Honestbee | *Lead Software Engineer*   Feb 2017 - Jun 2019

- Lead team of 4 through rough deadline to deliver Habitat by honestbee smart retail project.
- Optimize up to 70-90% faster on certain endpoints in Delivery Management System by eliminating n+1 queries.
- Save tens of thousands of dollars in warehouse operation by implementing a custom warehouse management system.
- Initiate applying GraphQL, significantly reduce the time of adjusting API for frontend usage.
- Leading the usage of Go in honestbee. Reduce 75% of memory requirements for services, e.g 2G down to only need 512M.
- Made the call for major decisions, e.g using mono repo, splitting services and databases.

Technologies: Go, Ruby, Postgresql, Redis, ElasticSearch, GraphQL, Kafka, SQS, JavaScript

PayPal | *Software Engineer*   Mar 2016 - Feb 2017

- Reduce hundreds of thousands of dollars in payment loss by improving data integrity and remove eliminating race conditions.
- Reduce end to end fulfillment of orders on Paypal Digital Gift store from minutes down to seconds.
- Transform multiple batch processes to queue based processes.

Technologies: MySQL, RabbitMQ, Redis, Nginx, ELK.

Autodesk | *Software Engineer Intern*   May 2013 - Oct 2013

- Contributed to the implementation of DesignScript Programming Language, used for creating 3D models as code in AutoCAD and Revit.

Technologies: C#, WPF

TALKS

Guest speaker at Ruby Conference Kuala Lumpur 2018: GraphQL Optimization in Ruby on Rails

EDUCATION

National University of Singapore (NUS)   2011 - 2015

Bachelor of Computing (Honours) in Computer Science