

LINDSEY JIN

3B Software Engineering Student

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WORK EXPERIENCE

PagerDuty | Software Engineer

May 2020 - Aug 2020

- Created a **Kafka** consumer application in **Elixir** to ingest incident creation events, processing an average of **800 messages per minute** across multiple partitions
- Logged key consumer metrics to **Datadog** dashboards and set up automated monitors through **Terraform** to send alerts in cases of high latency
- Refactored filtering logic into a new module to handle requests with multiple filters, by merging and deduping the results of multiple calls to our search API
- Wrote **Elixir** Task to regularly delete old resolved incidents from **Elasticsearch**, removing **thousands of incidents** across customer accounts every **~10 minutes**
- Contributed to team's heat map data visualization project in **React** and **Nivo** by adding an empty state view, global filters, and a custom tooltip

Ritual | Backend Software Engineer

Sep 2019 - Dec 2019

- Consolidated all referral landing pages into one page by re-implementing **MVC** components in **Java**, which lead to an increase in sign-up rate by **7%**
- Conducted **A/B testing** on over **50,000 users** to analyze user referral rate by varying referral screen appearance
- Built web page in **React** for marketing campaign validation tool, and defined new **protocol buffers** and **Java interfaces** for transferring data between applications
- Winner (Top 4 out of 16) at the Ritual Hackathon for Ritual Rewind: an animated website that showcases a user's order history and trends over the past year

Genesys | Fullstack Developer

Jan 2019 - Apr 2019

- Migrated legacy back-end REST API for fetching business data from **PHP** to **Node.js** and integrated **Redis** caching, improving runtime by up to **80%**
- Improved existing prototype in **AngularJS** for graphically building voice applications, by adding a call history tracer and different editing modes
- Created UI dashboard with **Vue.js** to demo team's sentiment analysis microservice, winning **1st place** out of 9 teams in company-wide hackathon

Validus | Application Developer

May 2018 - Aug 2018

- Developed full-stack internal website using **Flask** and **Vue.js** with CRUD operations to access **SQL Server** database currency records
- Automated **~70%** of the direct insurance process by creating a **Flask** application to populate Excel sheets, as well as a dashboard to track the status of ongoing tasks

PROJECTS

Lift | Winner at Hack the North 2018

Sep 2018

- Created a **Fitbit** app that tracks a user's workout progress by counting repetitions using the watch's built-in accelerometer
- Created **Vue.js** dashboard to visualize biometrics in real-time during a workout

EDUCATION

University of Waterloo

Sep 2017 - Apr 2022

Bachelor of Software Engineering

Cumulative GPA: 3.83

National University of Singapore

Jan 2020 - Apr 2020

3A Exchange Term

SKILLS

Languages

C++, Python, Elixir, Java, JavaScript, HTML/CSS, SQL

Frameworks & Tools

React, Vue.js, Kafka, Docker, Elasticsearch, AngularJS, Node.js, Git

AWARDS

Ritual Hackathon Honourable Mention
2019

Genesys Innovation World Cup Winner
2019

Winner at Hack the North
2018

Best Use of ConsenSys API at Hack the Valley 2
2018

Dean's Honours List
2018, 2017