

# JASON THANY

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## EDUCATION

**B.S. in Computer Science**, University of British Columbia -GPA: 3.93

Sep 2020 - Apr 2023

- Relevant coursework: Computer Hardware & Operating Systems, Algorithms & Data Structures, Databases

**B.Com. in Finance**, University of British Columbia - GPA: 3.72

Sep 2012 - Dec 2016

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## WORK EXPERIENCE

**Software Engineer Intern**, Amazon Web Services (AWS), Vancouver, BC

May 2022 - Aug 2022

- Designed and implemented a distributed service that aggregates AWS RDS (Relational Database Service) usage and billing metrics from every global region into a single database
- Created an analytical dashboard with QuickSight built on top of Redshift to test and verify the accuracy of other AWS services and allow stakeholders to make data-driven business decisions
- Utilized multiple AWS services such as S3, Lambda, SQS, ElastiCache, Firehose, Redshift, and QuickSight to build a resilient end-to-end distributed systems application

**Software Engineer Intern**, Trulioo Information Services Inc., Vancouver, BC

Aug 2021 - Apr 2022

- Created and enhanced multiple microservices using ASP.NET Core in C# exposed through REST APIs
- Worked with Product Managers and UI/UX team and leveraged a component-driven design to build the Analytics portal micro-frontend using React, TypeScript, and REST APIs
- Conducted design and code reviews in an Agile scrum environment and created documentation for newly built microservices

**Management Consultant**, Kearney, Southeast Asia

Nov 2018 - Jun 2021

- Conducted market research, customer & stakeholder interviews, client data analysis, and created excel models to identify and evaluate client pain points to derive our final recommendations
  - Delivered presentations to relevant stakeholders & firm executives detailing our project recommendations
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## TECHNICAL SKILLS

- **Languages:** C, C++, C#, Java, Python, JavaScript, TypeScript, HTML, CSS, SQL, R
  - **Frameworks:** Chai, Docker, Express, React, Jest, JUnit, Material UI, Mocha, Node.js, Swing
  - **Tools:** AWS (ElastiCache, Firehose, Lambda, Redshift, S3, SQS), BitBucket, Docker, Firebase, Git, Jira, Postman
  - **Databases:** MongoDB, PostgreSQL, Redshift
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## PERSONAL PROJECTS

**Spam Identification Management System**

2022

**Tech Stack:** TypeScript, React, Express, Chai, Cypress, Mocha, PostgreSQL, TerraCloud, Azure Database, Azure Application Service, Azure Application Gateway, Azure Load Balancer, Apache JMeter | **View Project:** [github.com/jsonthany/spam-identifier](https://github.com/jsonthany/spam-identifier)

- Built, tested, and deployed an email analyzer that identifies and manages incoming suspicious emails based on six configurable risk score algorithms on a virtual machine connected to an Exchange server
- Applied React framework for the frontend, Express to manage incoming email requests, and PostgreSQL to store email metadata to improve risk algorithm accuracy and quarantine suspicious emails

**Budget Tracker and Planner**

2021

**Tech Stack:** Java, Java Swing, JUnit | **View Project:** [github.com/jsonthany/networthify](https://github.com/jsonthany/networthify)

- Applied object-oriented programming concepts to create a desktop application that records and provides a summary of each user's financial status and trends (i.e., their current net worth, debt, spending habits, etc.)
- Used JUnit to test and validate all edge cases to ensure proper functionality of the application's business logic