dfjimmy.li@gmail.com

+1 (647) 922-5012

Jing Yi (Jimmy) Li

1329 Birchcliff Drive, Oakville, ON L6M 2A5

jimmy1231

jimmy-li-907969112

Experience

Systems Software Developer   **FutureVault Inc.**   **Aug 2020 — Present**

- Automated upload and processing of **100,000 monthly documents** by leading a SFTP-based, serverless distributed batch file upload system using Java 11, Spring Boot, Kubernetes, AWS (S3, Lambda, SQS), MongoDB
- Automated email ingestion processing with Node.js on AWS Lambda for 50,000 monthly ingress emails, using KMS for encryption, and jsdom for parsing HTML-based email templates
- Developed a suite of serverless, batch self-healing processes with Node.js on AWS Lambda, invoked daily by EventBridge to scan, identify, and heal erroneous/missing database records
- Automated tenant-specific subdomain creation for corporate clients using a full-stack solution that integrated with AWS (Route 53, CloudFront, SNS, SES, SSM) which **increased sales & support productivity by 100x** (from days to minutes)
- Used Elasticsearch to improve in-app full-text document content search response time by 1000x, from minutes to 50ms

Software Development Consultant   **PENDA Productions**   **Feb 2020 — Sep 2021**

- Designed and implemented **100% serverless system** with Node.js/TypeScript on AWS to upload, compress, store 1.5TB raw video/image files: Cognito, Lambda, API Gateway, DynamoDB, OpenSearch, CloudFront, IaC - CloudFormation
- Front-end in TypeScript with React-Redux
- Payments with **Stripe**, Stripe Checkout; webhooks integration with AWS API Gateway

Software Development Intern   **FutureVault Inc.**   **May 2018 — Sep 2019**

- Redesign and reimplementation of core document processing model, migrating from Spring Boot monolith to Node.js serverless model on AWS, with Lambda, Step Functions, S3, DynamoDB
- Migrated platform's user authentication flow to Amazon Cognito, enabling **SAML and OAuth SSO** integrations using Node.js and serverless

Software Development Intern   **Royal Bank of Canada**   **May 2017 — Sep 2017**

- Fullstack microservices development on IBM Cloud using Angular, Spring Boot; SQL DB performance tuning

Education

University of Toronto

Bachelor of Applied Science (B.A.Sc, Computer Engineering)

Skills

Languages	Java • TypeScript • Node.js • JavaScript/HTML/CSS • Python • C/C++ • SQL • Bash
Frameworks and Libraries	React.js • GatsbyJS • Express.js • Spring • Hibernate
Tools	Amazon Web Services (AWS) • Elasticsearch • Docker • Kubernetes • Stripe (Software) • MongoDB • Git • Maven