

Juncen Li

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EDUCATION

Northeastern University, Boston, MA

Sep. 2021 - May 2023

Master of Electrical and Computer Engineering

Coursework: Fundamentals of Computer Engineering, Database Management System, Computer Architecture, Computer Systems, Advanced Software Development, Web Development, Intro to Machine Learning, High-Performance Computing

Graduate Teaching Assistant “Circuits/Signals” instructed by Prof. Thomas R. Consi

Sep. 2021 – Dec. 2021

Sichuan University of Science and Engineering, Sichuan, China

Sep. 2017 - Jul. 2021

Bachelor of Electrical Engineering and Automation

Honors: Outstanding Individual Scholarship (2018-2020), Outstanding Student Award (Technology Innovation)

TECHNICAL SKILLS

Programming Languages: Java, C/C++, Matlab, Python, HTML, CSS, JavaScript, TypeScript, Dart, SQL

Frameworks: React.js, Vue.js, Node.js, Bootstrap5, Flutter, Express, Spring Boot, Flask

Databases and Tools: MySQL, Simulink, MongoDB, Kafka, AWS, Git, Linux

PROFESSIONAL EXPERIENCE

Fidelity Investments, Boston, United States

Jul. 2023 – Present

Full Stack Engineer - Full Time

- Implemented and managed a high-throughput **Kinesis Data Stream, Firehose pipeline**, handling **millions** of events daily for efficient data onboarding for producers and consumers.
- Orchestrated complex workflows with **AWS Step Functions**, integrating multiple **AWS Lambda** functions for scalable and efficient serverless processing.
- Administered secure data storage and lifecycle on **Amazon S3**, ensuring optimal data integrity and accessibility.
- Employed **AWS CloudFormation** for streamlined and error-free infrastructure deployment, enhancing operational efficiency.
- Configured comprehensive monitoring and alerting systems using **Amazon CloudWatch** and **Datadog** for real-time performance tracking and issue diagnosis.
- Enhanced CI/CD processes through **Jenkins** integration, leading to more efficient, automated deployments and testing.
- Managed and optimized data warehousing solutions using **Snowflake**, enabling scalable, efficient, and cost-effective data storage and analysis.
- Managed containerized applications using **AWS ECS**, ensuring efficient deployment, scaling, and management of **Docker** containers.
- Did a successful migration of applications from AWS to **Kubernetes Application Development (KAD)**, enhancing system scalability, availability, and deployment efficiency.

Accenture, China

Feb. 2021 – Apr. 2021

Software Engineer - Intern

- Enhanced the availability and reliability of Accenture's backend management system by defining new metrics to monitor system health and adhere to **SLA** requirements.
- Worked with cross-functional teams to identify pain points and bottlenecks in big data processing, proposing **Spring Boot Async** to boost application performance and responsiveness.
- Developed a **Java** and **Spring Boot-based logging system** to collect, analyze, and distribute user activity log data, while subscribing the logging service to **Kafka**.

SELECTED PROJECTS

Love Reading: A Library Loan React-SpringBoot App [Link](#)

Jan. 2023 – Mar. 2023

- Created a library loan management system with **React** as the frontend and **Spring Boot** as the backend, improving user experience and optimizing loan procedures.
- Utilized **Okta** for robust user authentication and authorization, maintaining security and adherence to industry standards.
- Applied **RESTful** design principles for seamless communication between frontend and backend components, resulting in a modular and easily maintainable system structure.
- Implemented **Stripe** for safe and effective payment processing, allowing users to complete library loan payments using multiple methods and ensuring a hassle-free experience.