

Jeffrey Zou

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EXPERIENCE

Citi

Jersey City, NJ

Technology Analyst

June 2019 – Dec. 2021

- Collaborated with multiple internal and external engineering teams to design and implement a dashboard for bankers streamlining the mandatory KYC review of client risk information
- Implemented a process that tracks the quality of communication between the operations and business teams by developing a feature to upload email and creating a worker service to process it into a secure central storage
- Improved the maintainability of a critical database in the enterprise Futures execution platform by redesigning 3 client reports to use a Java Spring service pulling data from Elasticsearch
- Worked with teammates and business globally throughout the development cycle

Citi

New York, NY

Summer Technology Analyst

June – Aug. 2018

- Built a dashboard for application tracking and management with a React front-end and Node.js back-end
- Worked closely with the stakeholder to gather requirements and improve the design throughout the project
- Held a daily scrum with teammates to discuss progress on deliverables and to resolve blockers
- Wrote unit tests for each React component and function using Jest throughout development

EDUCATION

Stony Brook University

Stony Brook, NY

Bachelor of Science in Computer Science; GPA: 3.74

Aug. 2016 – May 2019

Courses: Cloud Computing, Software Engineering, Data Structures, Algorithms, Computer Security Fundamentals, Principles of Database Systems

PROJECTS

StackOverflow - React, Node.js, Express, MongoDB, Elasticsearch, Cassandra

Mar. – May 2019

- Implemented a Stack Overflow platform that can handle over 100,000 concurrent users
- Created a back-end service, using the Express framework, that communicates with multiple database servers
- Load balanced millions of requests across many servers using NGINX and scaled up services to ensure high availability
- Eliminated bottlenecks in processing using RabbitMQ servers to queue requests

InLinked - Angular, Node.js, Express, Knex, MySQL

Oct. – Dec. 2018

- Implemented an attractive and powerful UI using the Angular and Bootstrap frameworks
- Developed a REST API that is secured with JWT authentication and connects with a MySQL database
- Structured database with relationships and constraints between job and user entities

TECHNICAL SKILLS

Front-end: HTML, CSS, Typescript/Javascript, Angular, React

Back-end: Java (Spring), C# (.NET Core), Node.js, Python

Data: SQL Server, MongoDB, ELK Stack