

# Jeffrey Zou

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## EXPERIENCE

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### 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

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### 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

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### 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

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

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

**Data:** SQL Server, MongoDB, ELK Stack