David Zheng

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EXPERIENCE

Bank of New York Mellon, New York

Lead Backend Developer | Treasury Services Technology   **Jan 2022 – Jan 2024**

- Designed and implemented a tokenization solution to tokenize sensitive cardholder data to reduce PCI audit scope
- Optimized API latency by over 50%, utilized caching with Hazelcast, HTTP Connection Pooling, multithreading
- Increased performance and reliability by leading the effort to convert 67 MQ ODS requests with Fiserv to restful API services
- Reduced manual workload by 2 FTE through feature and process enhancements to back-office applications
- Developed new API services to support the integration with Microsoft Dynamics CRM, which brought elevated customer support features and efficiencies to call center representatives
- Maintained the team's business, application, and deployment context diagrams using Visio

Software Developer | Treasury Services Technology   **July 2020 – Jan 2022**

- Implement PCI DSS-compliant features on debit card management portal and API services using Java Spring and Angular
- Migrated team's build process from Jenkins to Gitlab CI/CD and integrated internal CI/CD security scanning tool
- Resolved security vulnerabilities, such as OWASP Top 10, found by the security team and static scan tools
- Supported clients and triaged production issues during on-call rotation, maintained two nines five uptime SLA
- Created bash shell scripts to reduce tedious gitlab process' done per development sprint, saved on average ~2.5 hours per sprint of developer time
- Integrated and developed functionalities utilizing Fiserv / First Data restful services

Summer Technology Analyst   **June 2019 – Aug 2019**

- Designed 5 Power BI reports to make data more user accessible
- Developed queries to get data from hive tables stored on the Hadoop Distributed File System
- Made enhancements to email monitors for more meaningful alerts
- Developed bash scripts to automate refresh impala metadata and compress data to improve performance

Chairseven, New York, *QA Intern*   **July 2018 - Aug 2018**

- Fixed defects and refactored the codebase to improve the usability of client features
- Performed UAT Testing on web interactives for a psychology curriculum published by W.W. Norton

SKILLS

Programming Languages:

Currently using: Java / Java Spring, SQL, Angular

Dabbled/Used before: Angular, Python, C++, Golang, HTML, CSS, JavaScript, SQL, Vue, NodeJS

Tools / Frameworks: Ansible, AppDynamics, Splunk, Veracode, Git, Bootstrap, Visio, Figma, Swagger

EDUCATION

New York University, Tandon School of Engineering, New York, NY

Bachelor of Science, Computer Science

Awards: Dean's List, Pearl Brownstein Senior & Junior Award   GPA: 3.9

PROJECTS

Bardle – multi-player wordle (https://github.com/DavidDev21/bardle)   **Sept 2022**

- Developed a multi-player battle versus of the popular game, Wordle, in Angular and NodeJS

Distributed Systems Project – Raft Consensus   **Sept 2019 – Dec 2019**

- Wrote a golang implementation of the Raft Consensus algorithm based on the white paper