

Jonathan Zhu

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Skills

- Python | Java | HTML | CSS | JavaScript | PostgreSQL | MySQL | Node.js | React | Git |
- Jenkins | Spring Boot | Flask | Maven | Material UI | CI/CD | RESTful API | AWS | Figma |
- Agile | Scrum | Unit Testing | Test Driven Development | Frontend | Backend | Full-Stack |

Experience

ADP

Application Developer Intern

*Roseland, NJ
06/2023 - 08/2023*

- Led the development of the Automated Status Report, delivering real-time cost insights to ADP leadership, reducing decision making time by 20% and increasing cost-effectiveness by 15%.
- Collaborated in Jenkins Pipeline to streamline the deployment process using CI/CD practices, resulting in a 29% reduction in deployment time and increased team efficiency.
- Implemented a robust MySQL database infrastructure with fortified security protocols and optimized querying speed by 6% through pagination and query optimization techniques, leveraging AWS vaults.
- Led the extraction of data from various AWS cloud services at ADP, including EC2, S3, and RDS, and successfully integrated it into MySQL database.
- Delivered a 71% boost in productivity across EFS teams at ADP by eliminating manual processes, resulting in notable recognition from leadership.

Education

*Bachelor of Science in
Software Engineering*

Rochester Institute of Technology

*Rochester, NY
08/2021 - 08/2025*

- RIT Recognition Scholar - Scholarship for academic excellence and notable contributions to the university.
- RIT Founders Scholar - Scholarship for exceptional academic achievement and active participation in community.

Projects

Nutri-Kit

01/2023 - 05/2023

- Nutri-Kit, a nutrition app that empowers users to set personalized goals for their daily nutrition intake.
- Implemented a user-friendly interface allowing users to add, remove, and edit food items to track daily intake.
- Leveraged the power of React, Flask, Python, and PostgreSQL to build a robust and efficient full-stack solution.

InTune

08/2022 - 12/2022

- InTune, an immersive e-commerce website that revolutionizes the way users buy, rent, review, and take lessons for musical instruments.
- Utilized Trello to plan sprints and define story requirements and used Sonarqube to fix code smells while working in an agile work environment.
- Leveraged the power of Angular, RESTful APIs and Java to create a seamless and robust platform.

Extracurricular Activities

SocietySoftwareEngineers

09/2021 - Present

- Participated in weekly meetings and assisted fellow students in programming-related topics.

Microsoft HE3AT

09/2020 - 6/2021

- Participated in Microsoft HE3AT program, collaborated with a diverse group to create a visionary project, presented groundbreaking solutions to Microsoft judges.