

Jacob Kinser

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Skills

- C | Java | Python | JavaScript | TypeScript | Node | React | Angular | MySQL | Git
- Cloud Computing | CI/CD | Rest APIs | Selenium | Spring | Unit Testing | OOP | Jira | Postman
- Amazon Web Services (S3, EC2, Simple Queue Service, Lambdas, Step Functions) | Frontend | Backend | Full-Stack

Experience

Software Engineer I

ACT Inc

Iowa City, IA, USA 05/2022 -06/2023

- Developed 10+ features, contributing to high-quality software delivery in an **Agile Scrum** environment.
- Led a 7-member team in **Angular** front-end project development, overseeing work breakdown, implementation, and successful deployments.
- Implemented cutting-edge **Master Data Management** solutions, optimizing system capabilities for enhanced efficiency and accuracy.
- Resolved 40+ critical incidents using **SQL** and **Python**, ensuring seamless access to student scores and maintaining high customer satisfaction.
- Collaborated with **DevOps** to architect and enhance cloud infrastructure for optimal performance, scalability, and security.
- Designed and implemented **Rest API** endpoints, connecting a front-end system for 1 million annual users.
- Created a high-performance **Java** Application processing 200,000 JSON payloads per hour, improving data processing efficiency.

Technician & Developer

ISU IT Services

Ames, IA, USA 09/2020 - 05/2022

- Managed multiple concurrent projects, coordinating effectively and delivering high-quality results.
- Maintained billing records for campus-wide internet service with meticulous attention to detail.
- Developed automated testing procedures in **C** to enhance quality assurance for a multi-million-dollar project.
- Optimized network equipment supporting campus-wide infrastructure for uninterrupted connectivity.

Education

Bachelor of Science

Iowa State University

Ames, IA, USA 08/2018 - 05/2022

- Major in Software Engineering, Minor in Cyber Security
- Designed and created an interactive shell in C
- Developed a private network with firewall rules and security updates
- Participated in penetration testing in a closed environment

Projects

Billing Record Automation Software (Iowa State University IT Services)

- Created and presented a project plan to management on data entry automation
- Solely automated the entry of data saving 2000+ hours of manual entry per year using Java and Selenium

Web Services (ACT Inc)

- Integrated web service functionality with internal applications
- Developed REST endpoints for existing Spring boot API web service applications
- Enhanced security and improved performance by migrating old web services

SQS Listener Application (ACT Inc)

- Developed a Java Application to listen to an AWS SQS
- Processed sensitive student data to prepare for paper delivery of test attempts