

# David Gawel

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## Work Experience

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### Software Engineer I

Chicago, IL

- **Supernova Technologies**

Feb 2023 - Present

Software company specializing in tools for managing security-backed loans

- **Monthly Billing Jobs:**

Developed jobs that automatically calculate over **\$3 million in monthly recurring revenue, reducing the billing close time from 2 weeks to 3 days** while ensuring accuracy and eliminating human error. Maintained and updated the code to ensure **reliable execution for over a year.**

- **Software Data Migration:**

Executed and optimized migration scripts to ensure accurate data transfer, resulting in a **seamless migration with no issues on the migration day.** Successfully reduced the number of versions the company needed to maintain and **saved \$80,000 per month in development and AWS server costs.**

- **AI competition:**

Created the prototype of the risk simulation tool which won first place in the AI Ideas competition and was developed into a product **generating \$50,000 of yearly revenue per client.**

- **Python Intake jobs:**

Created daily data intake jobs for on-boarding new clients **ensuring data quality and integrity** while also warning when any data-related issues could occur.

- **Production Data Change Tool:**

Collaborated with a team of three to build an internal tool that simplified and reduced manual data changes. Designed the back-end code of the tool, **making it easily extendable and testable** ensuring the accuracy and integrity of production data.

- **Python Testing framework:**

Developed an integration testing tool that automatically pulled UAT data, **enabling local testing of pre-existing jobs without the need for manual data setup in a local database.** This tool also allowed team members to quickly and effectively run and verify their integration tests.

- **Tech Stack:**

Python, MySQL, Java, Spring Boot, AWS

- **Software Engineer Intern**

Schaumburg, IL

- **Motorola Solutions**

Jun 2022 - Nov 2022

- **User Experience Testing Framework:**

Developed a new user experience testing framework with Python and Selenium. **Reduced the development time of new tests to a matter of hours**, while increasing their robustness, speed, and reliability. Securely handled and stored secrets using HashiCorp Vault.

- **Tech Stack:**

Python, Selenium, MySQL, AWS, Agile Development, SDLC/SDTC, CI/CD

## Skills

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- **Programming Languages:**

Python, SQL, Java, C++, Rust, JavaScript, TypeScript, WebAssembly

- **Development Tools:**

Linux, Git, MySQL, Spring Boot, AWS, Docker, Perforce, BitBucket, Jenkins, Selenium, React, HashiCorp Vault, Debugger, Visual Studio, REST API, CLI, Atlassian Product Suite

- **General Skills:**

Bilingual in Polish and English

## Education

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- **DePaul University**

Chicago, IL

*B.S., Computer Science; GPA: 3.9*

Sep 2019 - Nov 2022

- **Competitive Programming Team:**

Advanced to the ICPC North American Championship by solving complex algorithm problems with a team of 3.