

# David Shimkus

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## Education

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### MS in Computer Science

Southern Illinois University Edwardsville

August 2020 - December 2023

Edwardsville, Illinois

### BS in Computer Science, Mathematics Minor

Southern Illinois University Edwardsville

September 2012 - May 2017

Edwardsville, Illinois

## Work Experience

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### Software Engineer

Ameren Services

April 2023 - Present

St. Louis, Missouri and Remote

- Leading and participating in software success with a focus in Smart Metering technologies.
- Delivering various scripting and automation tasks to support infrastructure and maintain data integrity.
- Providing recommendations to developers, operations groups, cybersecurity groups, and management.
- Executing software upgrades, disaster recovery exercises, and load/stress testing.
- Completing detailed, concise, and correct documentation for teammates and other groups to consume.

### Senior Operations Specialist

Ameren Services

October 2022 - April 2023

Collinsville, Illinois and Remote

- Led a development team in implementing automated system validations with SmartBear software.
- Facilitated integrations with other teams' systems including Mule Enterprise Service Bus.
- Carried out Oracle WebLogic and Microsoft .NET application troubleshooting, analysis, and patching.
- Focused on supporting customers with a "Meter to Cash" philosophy.

### Operations Specialist

Ameren Services

April 2019 - October 2022

Collinsville, Illinois

- Participated in solution architecture design and troubleshooting.
- Familiarized with Red Hat Enterprise Linux 7/8, Windows Server 2016/2019, and VMware vCenter.
- Resolved ServiceNow requests and incidents.
- Administrated Active Directory and supported end users.
- Rewrote and reorganized batch jobs to complete daily data processing before 6AM instead of after 9AM.

### Programming Analyst

Ameren Services

June 2017 - April 2019

St. Louis, Missouri

- Built a custom C# Model View Controller program for users to search for meter voltage data more efficiently.
- Wrote many different Oracle SQL queries, performed data analysis, and familiarized with different databases.
- Developed custom batch jobs for execution via AutoSys, and justified their migration to production.
- Worked in an on-call rotation of production batch support, troubleshooting, and resolution.
- Obtained general knowledge of adhering to best practices, conflict management, and business jargon.

## Additional Information

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- 4.0 GPA in MS program.
- Awarded lifetime membership to Phi Kappa Phi Honor Society in March 2022.
- Thesis research topic: "An Analysis of Quantum Error Correction Methods and Entangled Logical Qubits."
- Part-time paraprofessional licensed middle school algebra tutor since January 2022.
- Participates in many fundraising and volunteer activities for Holy Cross Lutheran Church in Collinsville, Illinois.
- References are available on request.