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# Josh Spangler

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## Skills

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- Languages: TypeScript/JavaScript, HTML, CSS/SCSS/Sass, Java, SQL, Python, Bash/Shell/PowerShell, C, C#, Assembly (MIPS), Haskell
- Frameworks & Libraries: Node.js, Java Spring, Vue.js, React, React Redux, Jest, TensorFlow
- Tools: Git, Unix (Ubuntu, Amazon Linux, CentOS), PostgreSQL, npm, Postman, Swagger, AWS (CloudFormation, EC2, S3, Athena), Gradle, Maven, GitHub, Atlassian suite
- Protocols: HTTP (GET, PUT, POST, etc.), TCP, UDP, OAuth 2.0

## Employment

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Software Engineer	NS2 Mission	Jan 2021 – Present
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- Full stack developer using Vue, TypeScript, Java, SQL/mySQL, Git, Swagger, HTTP, Gradle, Maven, AWS, Atlassian suite
- Developed and maintained various web applications as well as supporting API
- Developed main metrics page to allow users to view, create, and share metric dashboards to monitor various components of the applications
- Participated in many pair programming sessions, feature presentations, code reviews, and mentoring sessions

Software Engineer Intern	NS2 Mission	May 2020 – Aug 2021
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- Contributed through pioneering searching features and various searching modes as well as bug fixes
- Gave daily standups about task progress and occasionally presented for feedback during task development

## Projects

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Discord Bot	2019 – Present
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<https://github.com/jspangl3r/LadBot>

- Actively maintains a Discord bot written in TypeScript/JavaScript and Python
- Has various commands such as user/server information, message quoting, trivia game support, and user "mimic" AI models built using OpenAI's GPT-2 that generate messages based on chat history

Automobile Database	Spring 2019
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<https://github.com/jspangl3r/CSCI-320-Project>

- Developed H2 engine database for managing dealers, inventory, and sales for a fictitious car company
- Developed UI app: dealer sign in, order from manufacturer, and an administrator SQL interface

Webcheckers	Fall 2018
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- Developed an online Checkers game built in Java 8 and Java Spark
- Supported online features such as asynchronous play and multiple game support

## Education

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Rochester, NY	Rochester Institute of Technology	Aug 2017 – Dec 2021
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- Bachelor of Science in Computer Science *GPA: 3.78, magna cum laude*
- Minor in Mathematics
- Relevant Coursework: Data Structures, Analysis of Algorithms, Computer Science Theory, Principles of Data Management, Software Engineering, Parallel & Distributed Systems, Artificial Intelligence, Cryptography, Data Mining, Operating Systems