

# Luke Belinc

As a software engineer and full stack web developer, I am experienced in contributing to team success through the art of software development and dedication to my craft. Rooted in a passion for learning, I have built a strong skill set which includes 5+ years' experience in applying Object-Oriented and Functional programming techniques.

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## Experience

### Associate Software Engineer

Verint Systems  
02/2022–08/2022

- › Built and regularly maintained internal software tools for the Experience Management Product Support organization
- › Automated workflows to create efficiency of scale while also reducing manual errors
- › Delivered continuous QoL updates to legacy software and systems
- › Built and deployed single page web applications via AWS EC2
- › Tasked with providing all necessary CLI training to colleagues
- › Coordinated multiple projects from initial planning through deployment
- › Acted as admin for 20+ mission critical PowerBI waterfall reports and data gateways
- › Utilized Agile software development approach with each project
- › Doubled 2022 annual release target goal by August

### Systems Programmer

WSU–Huang Lab  
03/2020–10/2020

- › Built software extensions for the GEOS–Chem and WRF–Chem modeling systems
- › Drew up comprehensive bug reports to identify pain points and provided solutions
- › Authored scripts to interpret and generate maps from atmospheric data models
- › Automated software execution and data collection using Bash, cron, and Slurm via WSU's HPC
- › Implemented GNU Make to automate software builds
- › Held regular CLI training sessions with research students

## Skill Set

**Languages** C, C++, C#, Java, Python, JavaScript, TypeScript, SQL, HTML, CSS, Go, Bash, Haskell, CommonLisp, FORTRAN, Ruby

**Frameworks/Libraries** Angular, React, Express, Jasmine, POSIX, pandas, Tkinter, NumPy, NLTK, Qt, .NET, ASP.NET, jQuery, Rails

**Tools** Unix shells (zsh, sh, Bash), GNU coreutils, Vim, Slurm, cron, PowerShell, Git, Node.js,  $\text{\LaTeX}$ , AWS (S3, EC2, Lambda), Database Management Systems (PostgreSQL, MySQL, Oracle Database), Jira, Confluence

**Methodologies** Agile, CI/CD, Behavior- and Test-driven development

## Projects / Hackathons

**Advent of Code** Various code challenges completed using Haskell, C++, and Python

**DHack** Designed health monitoring app using AWS Lambda, JavaScript and React Native. Won 2nd place overall and 1st place for the FitBit challenge.

**MHacks 8** Designed set of dev tools for remote maintenance of GM Console software. Used C, JavaScript, and Wayland to manipulate system and interact with screen remotely.

**Chinese Character Dictionary** Designed a simple character meaning and stroke order dictionary and thesaurus using Python, PostgreSQL, and Qt

**Mock Terminal** POSIX shell built in C

## Education

Wayne State University  
B.S. in Computer Science  
Detroit, MI 2016–2021

## References

Matthew Crawford  
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Matthew Heinrich  
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(646) 385-5524  
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