

LUKE BELINC

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Experience

Associate Software Engineer

Verint Systems
02/2022–08/2022

- › Built and 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 and bedugged 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
- › Leveraged Bash, cron, and Slurm via WSU's HPC nodes (A.K.A. the Wayne State Grid) to automate and test software, data collection, and data modeling
- › Implemented GNU Make to build software and extensions
- › Held regular CLI training sessions with research students

Skill Set

Languages C, C++, Python, Bash, Haskell, CommonLisp, FORTRAN, Java, C#, HTML/CSS, TypeScript

Frameworks/Libraries POSIX, glibc, Angular, React, Express, Jasmine, pandas, Tkinter, NumPy, NLTK, Qt, .NET

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

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

Projects/Hackathons

AirSkyBoat 🌀 Continuous contribution to development of open source server emulator for Final Fantasy XI.

Advent of Code 🌀 Various code challanges 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 maintainance of GM Console software. Used C and Bash to leverage Wayland and manipulate system. Used JavaScript to interact with screen remotely.

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

Mock Shell 🌀 Mock POSIX-like shell built in C. Implemented libraries such as `stdlib.h`, `signal.h`, and `unistd.h`.

Education

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

References

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