Glen Simon

Cloud Software Engineer 2,
Indeed Inc

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Languages

</> TypeScript   ● ● ● ● ● ●
JS JavsScript   ● ● ● ● ● ○
</> C#   ● ● ● ● ○ ○
HTML / CSS   ● ● ● ● ● ○
🐍 Python   ● ● ● ● ○ ○

Technologies

Front-End: React, Redux, Axios, Styled Components

Back-End: .NetCore/Standard, Entity Framework Core, Swagger, Auth0, NodeJs, ExpressJs

Testing: Jest, Enzyme, Testing Library, Pa11y, Puppeteer, Moq

Tools: Azure Portal, Azure DevOps, Azure Application Insights, Visual Studio, Visual Studio Code, Lens

Other: Git/Github/GitLab, Github Actions, Docker, Kubernetes, LaTeX

Skills

Collaboration ● Agile ● Written & Verbal Communication ● Problem-Solving ● Accountability ● Empathy

Working Experience

2022 - Now   **Cloud Software Engineer 2**   Indeed Inc

Worked on a small Agile team to develop and improve the enterprise job poster experience.

Focused on micro front-end development using React and module federation architecture.

2019 - 2022   **Cloud Software Engineer 2**   TechSmith Corporation

Developed websites, single page applications, micro front-end components, and component libraries.

Created, extended, and maintained .Net APIs and web jobs.

Reduced daily authorization token requests from thousands to a single request per app by refactoring large portions of code and implementing a double layer caching system that could effectively handle scaling.

Integral in the architecting and implementation of a system designed to offer cloud-driven in-app content for our desktop products.

2017 – 2019   **Graduate Research Assistant**   Michigan State University

Developed the Evo-ROS framework which integrates evolutionary search capabilities with the Robot Operating System (ROS).

Integrated custom control software with ROS to implement autonomous driving in a simulated environment.

Education

2017 – 2019   **Master's Degree - Computer Science**   Michigan State University

Focus on evolutionary algorithms, artificial neural networks, autonomous systems, and computer networking. GPA: 3.95

2014 – 2016   **Bacholer's Degree - Computer Engineering**   Michigan State University

Cum laude, Dean's List, GPA: 3.87

Projects

2020 – Now   **Foundry VTT Modules**

Developed and actively maintain free to use modules that add additional functionality to a popular virtual table top system. Remain active in the community to address bug reports, feature requests, and offer regular updates.

Publications

2019   **Applying Evolution and Novelty Search to Enhance the Resilience of Autonomous Systems**
M. A. Langford, G. A. Simon, P. K. McKinley, and B. H. C. Cheng
IEEE/ACM 14th International Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS), Montreal, QC, Canada

2018   **Evo-ROS: Integrating Evolution and the Robot Operating System**
G. A. Simon, J. M. Moore, A. J. Clark and P. K. McKinley
Proceedings of the Genetic and Evolutionary Computation Conference, Kyoto, Japan

2017   **Evo-ROS: Integrating Evolutionary Robotics and ROS (poster summary)**
J. M. Moore, A. J. Clark, G. A. Simon and P. K. McKinley
Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems, Vancouver, BC, Canada

Presentations

2018   X-PLORE / Evo-ROS Update 2, PI meeting for AFRL Resilient and Trusted Systems Program, Ann Arbor, MI

2018   Evo-ROS: Integrating Evolution and the Robot Operating System, Genetic and Evolutionary Computation Conference, Kyoto, Japan

2017   X-PLORE / Evo-ROS Update 1, PI meeting for AFRL Resilient and Trusted Systems Program, Miami, FL

2017   Evo-ROS: Applying Evolution to the Robot Operating System (poster summary), International Conference on Intelligent Robots and Systems (IROS), Vancouver, BC, Canada