

Joseph Seagal

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Skills

Languages: Python, Java, C#, TypeScript, JavaScript, GDScript, SQL, C/C++, CSS, HTML, Shell Scripts

Development: Git, Visual Studio Code/Community, Godot, Unity, Playwright, Oracle Database, .NET, IntelliJ

Other Tools: SharePoint, Jira, Confluence, MS Office, Uniflow, Citrix, EMS, Microsoft Teams, Linux, Windows

Experience

Chan Soon-Shiong Institute of Molecular Medicine at Windber

Windber, PA

Software Engineer

Apr. 2024 - Sep. 2024

- Developed and maintained pivotal projects DTS-MCC, DTS-APOLLO, and Data Warehouse as part of the Cancer Moonshot initiative, driving technological advancements to accelerate breakthroughs in cancer research
- Generated data extracts and reports using Oracle databases and SQL for the development of CAP eCC forms
- Documented and showcased value of automated testing to the broader business through SOPs and demonstrations
- Created a test framework within an agile methodology, significantly reducing manual testing time and accelerating development cycles resulting in more efficient releases
- Designed specialized end-to-end tests using Playwright, including simulated user interactions and database verification, to ensure coverage across development, quality assurance, staging, and production environments
- Implemented automated smoke tests for CI/CD pipeline to proactively catch regression issues with each code push, resulting in reliable releases with fewer defects

National Board of Medical Examiners

Philadelphia, PA

Collaborative Services Engineer

Apr. 2023 - Sep. 2023

- Configured servers using Citrix Workspace to troubleshoot, test, and deploy software upgrades, as well as to manage security and user permissions
- Engineered infrastructure and provided ongoing support for multiple servers hosting business-critical tools such as EMS Office Hoteling and Desk Booking Software to ensure reliability for employees and clients
- Collaborated with team members using ServiceNow ticketing system to assist workers with various software including MS Office, Uniflow, and Microsoft Teams
- Crafted internal websites using SharePoint to implement documentation libraries, forms, search functionality, and administrative features

Drexel University

Philadelphia, PA

Computer Technician

Sep. 2022 - Mar. 2023

- Conducted hardware testing, troubleshooting, and component disassembly to support repair and maintenance processes
- Performed inspections and diagnostics in computer labs, ensuring operational status and completing repairs if needed
- Provided IT support and managed the organization of legacy hardware, cables, and e-waste

Seagal Solutions, Inc

Southampton, PA

Project Manager/Support

June 2021 - Sep. 2023

- Engaged customers by gathering information, resolving inquiries, and facilitating team communication through weekly meetings and brainstorming sessions
- Assessed and contributed to the creation of company documentation, including statements of work and proposals
- Configured Windows and Linux operating systems on servers exclusively dedicated to oncology research

Education

Drexel University, Bachelor of Science in Computer Science

Sep. 2021 - June 2026

Projects

Sunset System (Game) www.sunset-system.com

July 2024 - Present

- Developing a hand-drawn platformer following a cleaning robot in a retro futuristic mall with several team members
- Utilizing Godot engine to rapidly engineer new features and in-game entities using a custom-designed module system
- Crafted a system that enables players to command AI agents powered by behavior trees, allowing dynamic interactions directly within the game world