

# Sandra Maksimovic

<https://github.com/sanmaksim>

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## Summary

Qualified IT professional with experience in software development and systems administration. Demonstrated ability in professional communication, collaboration, problem solving, troubleshooting, data analysis, performance optimisation, documentation and project management. Highly adaptable self-starter and creative thinker; accustomed to constantly evolving technology. Home lab enthusiast with a keen interest in open-source software, hardware, and user education.

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## Education

### Swinburne University of Technology

2005 – 2008

*Bachelor of Science (Computer Science and Software Engineering) / Bachelor of Multimedia (Games and Interactivity)*

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## Skills

JavaScript, TypeScript, React, HTML/CSS, Bootstrap, Java, C#, C++, Bash, Python, Perl, PowerShell, Git, Docker, Ansible, Nginx, Apache, CI/CD, MySQL, PostgreSQL, TCP/IP, AD/Entra ID, VMware, Storage, Security, Networking, Windows, Linux, HPC

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## Experience

### Career Transition

*Software development self-study, projects and travel*

April 2024 – Present

- Gameplays – Video game manager/tracker web app with TS/React front-end and ASP.NET (C#) server API
- Guavanoid – Pure JavaScript block-breaker game utilising the Canvas API

### Murdoch Children's Research Institute

*Senior Systems Administrator*

Nov 2014 – Feb 2024

- Built and maintained the institute's High Performance Computing cluster (Meerkat)
- Deployed and configured a multitude of scientific open-source software and e-research platforms for HPC
- Automated Linux server deployment and patching via Ansible
- Managed the institute's server, storage and networking infrastructure
- Maintained internally hosted research-study web apps

### Murdoch Children's Research Institute

*Service Desk Technical Officer*

May 2012 – Oct 2014

- Answered calls, performed troubleshooting, resolved user incidents
- Utilised configuration management tools such as SCCM and JAMF to deploy software and settings
- Automated various operational tasks using Batch Script, VBScript and PowerShell
- Managed the institute's fleet of Windows, Mac and Linux desktop computers

### Sunbury College

*IT Technician*

Jan 2012 – April 2012

- Maintained school computers, A/V equipment, back-end infrastructure
- Performed troubleshooting, resolved classroom computer issues

### Blue Tongue Entertainment

*Level Designer*

Jan 2009 – Aug 2011

- Brainstormed and prototyped level ideas for upcoming games, incorporating feedback from weekly peer reviews
- Designed and implemented several levels for a game called '*de Blob 2*' using the in-house level editor
- Engaged in extensive play-testing and bug-fixing
- Mentored new starters and interns

### Blue Tongue Entertainment

*Quality Assurance / Level Design Intern*

Jan 2008 – Dec 2008

- Performed various types of play-testing, logged bugs using in-house bug tracking software
- Submitted regular quality reports and feedback to the development team
- Designed a level using the in-house development tools and Nintendo Wii development kit

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## References

Available upon request.