

Christopher Stanton

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EXPERIENCE

Engineering & IT Consultant, *Remote*

2/23 - now

- Increased client throughput 300% by providing consultations on frontend and backend software improvements.
- Drafted CAD design documents, technical schematics, and cost quotes for cloud database modernization.
- Helped clients optimize performance of existing Node.js, React, Angular, and Django projects.
- Improved data storage efficiency 8500% by deploying cutting-edge data compression algorithms against critical areas.
- Reverse-engineered bug fixes to third-party libraries and SDKs for which source code was unavailable by applying static analysis, memory traces, and debugging / reassembly through dynamic code injection and open-source DLL plugins.
- Optimized software architecture by building data validation pipelines to verify accuracy and reduce bug counts.

Head of Support Engineering, *Twill Health, Remote*

10/21 - 2/23

- Led growth of Series D support engineering team (primary contact for Severity 1 system failures, global B2B).
- Enabled over \$1,000,000 of contract renewals by developing procedures to ensure 99+% SaaS product uptime.
- Architected 24/7 incident response pipeline in Jira / Salesforce to boost throughput 5x for million-user populations.
- Drove acquisition of Fortune 5 client by leading technical documentation in RFIs, RFPs, and SOWs.
- Established compliance with Medicaid, HIPAA, GDPR, and other data policies by designing VM user provisioning SOPs, leading security efforts to lock down production databases, and securing VPN tunnels in Amazon Web Services (AWS).
- Modernized data architecture by driving cross-functional strategies with executive stakeholders to build industry-leading change management, CI/CD, SSO authentication, and software deployment systems.
- Increased product velocity against urgent deadlines by leading projects to streamline CI / CD infrastructure.
- Built automated analytics and visualization tools in Python connecting to 3rd party REST endpoint APIs.
- Improved quality management by building cross-functional relationships and facilitating DevOps between QA teams, product management, ELT / SLT stakeholders, and agile software engineering teams (Europe and US time zones).

Executive Technology Operations Manager, *University of Wyoming, Laramie, WY*

1/19 - 10/21

- Directed creation and talent search for 24/7 support team in a fast-paced, multi-million revenue stream.
- Managed IT roadmap for migrating 350,000 records from on-premise Oracle database to cloud SQL Server.
- Safeguarded financial information of over 500,000 donors by designing executive strategies and leading cross-enterprise incident responses to increase workstation cybersecurity and mitigate ransomware attacks.
- Saved \$30,000 annually in work hours by authoring scripted automation in Python, SQL, and PowerShell.
- Protected donor security by developing Java search tool (10x faster than Windows search) to secure over 20,000 social security numbers distributed across network storage.
- Ensured PCI transaction compliance by performing audits of all database changes and hardening TCP/IP protocols.
- Saved \$10,000 annually per capita by leading A/B testing to identify and resolve UI flaws in .NET and JavaScript.

Research Assistant (2 publications), *University of Wyoming, Laramie, WY*

9/14 - 12/18

- Led team to design machine learning models to recognize authorized employee faces (86% test accuracy).
- Improved delivery speed 10x by leading initiatives to streamline C++ ML tools (reused in arXiv:1807.03392).
- Built state-of-the-art deep learning models rivaling Google DeepMind on Unix clusters in Python, C++, and Tensorflow.
- Designed education and mentoring programs teaching Python and data science concepts to high-schoolers.

Developer, *JavaMon Game Engine, Remote*

5/13 - 5/18

- Single-handedly built cross-platform Android / iOS game engine from scratch, managed in Github / Bitbucket.
- Developed a full stack OOP solution (over 100,000 lines of Java code) including unit testing, code coverage, performance profiling, JSON REST endpoints, middleware tools, and Python documentation, later reused to develop SSN tool above.

Senior Operations Manager, *Brandeis University, Waltham, MA*

8/10 - 12/13

- Doubled team size in 2 years by hiring and coaching systems administrators and audio / video technical support experts.
- Managed \$81,000 in upgrades to cloud data storage infrastructure across distributed, multi-OS environment.
- Led growth of technology program by modernizing security measures and replacing key processes with Bash automation.
- Scaled processes to handle thousands of support cases yearly by developing ticketing system in Apache / PERL.
- Tripled engagement by performing web development, design, and routine web maintenance to maximize advertising reach.

EDUCATION & SKILLS

M.S. in Data Science, University of Wyoming

12/18

B.A. in Computer Science, Brandeis University

12/13

Certifications: ScrumMaster (001297081)

Technical Skills: Python, Java (Spring), C++, SQL, JavaScript (jQuery, Node JS, React), Amazon Web Services (AWS), Google Cloud Platform (GCP), x86 / x64 Intel Assembly, R, MATLAB, Lua, C#, PHP, HTML, CSS, XML, WCAG, LaTeX