

JEREMY NICKURAK

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SUMMARY

A Software and Systems Developer, driven by the chance to create, learn, and share new development expertise with high performing teams. Extensive experience developing storage solutions and driving Agile and Scrum values and methodologies.

SKILLS

Strengths: Commitment to stakeholder engagement, software craftsmanship, and continuous process improvement. Proficient in test-driven development, Agile, Scrum and SAFe methodologies.

Tools and technologies Git, GitHub, Continuous-Integration, Virtualization/Virtual-machines, docker, containerization/containers.

Languages: Proficient: C, Python, SQL, CMake, Perl, HTML, L^AT_EX; Familiar: C++, Java, LISP.

Operating Systems and Environments: Debian, Ubuntu, RedHat, Fedora Linux.

Certifications: Eucalyptus Cloud Platform Training, Certified Scrum Master (Lapsed), Certified Scaled Agile Framework (SAFe) Practitioner

EXPERIENCE

DELL TECHNOLOGIES, STORAGE DIVISION

2010 - June 2018

Principal Software Developer

- Developed Dell-EMC's MetroPoint and VPLEX-RecoverPoint integrated high-availability, disaster-avoidance and disaster-recovery solutions, giving enterprise customers the mobility and durability to completely avoid or recover from planned and unplanned data-center outages at some of Dell-EMC's largest customers. Key responsibilities involved design and implementation of APIs for integrated solutions, debugging and solving discovered issues, and coordination and planning of cross-team infrastructure needs.
- As a delegate for architecture issues, trained new developers on key product areas, including feature operation, development, and testing methodologies. Participated in joint meetings to proactively understand feature and subsystem interactions, to discover and plan for complications before they became impactful, reviewing architecture plans, designs, and roadmaps.
- As a Scrum Master, helped my team adopt and work by Agile and Scrum principles and resolve day-to-day obstacles. Engaged with lead Product Owners to align business roadmaps with teams' practical software development requirements.

- Initiated a focused defect triage and analysis meeting series, bringing together engineering leaders, management, Product Owners, and Scrum Masters together to help drive multiple time-critical VPLEX releases to completion.
- Worked on-site in Israel for 2 months helping ramp up a new team, training and developing shared values and process improvements.
- Participated in requirement gathering and evaluation of Software Development Life Cycle tooling and process decisions, especially on Git branching and Continuous Integration strategy. Built consensus around current and future requirements, and how our deployment plan would ensure success and avoid pitfalls.
- Cooperated frequently with customer engineering to drive resolution to incidents, analyzing diagnostic information, collaborating on the best ways to get customers out of tense situations with minimal risk.
- Developed Mid-range storage solutions, with a special focus on building and advocating developer-efficiency accelerators. Added pytest infrastructure to detect memory allocation issues in early testing. Added build-system infrastructure to automate configurable python lint-checking.

DEPARTMENT OF COMPUTER SCIENCE, UNIVERSITY OF ALBERTA

May 2009 - September 2010

Research Assistant, 2009 - 2010

- Conducted Research into virtual machine deployment and management (slimming), support for associated researchers in Bioinformatics .

Teaching Assistant, 2008 - 2010

- Taught and developed laboratory material for Security in a Networked World and Web Information Systems courses, including firewall (iptables), server setup, cryptography, JavaScript, PHP, Perl, SQL, HTML, CSS and JSP. Organized and presented laboratory lectures, marked assignments and projects.
- Software Carpentry, including software development practices for scientists and engineers, taught in Python .
- Recipient of the Faculty of Graduate Studies and Research “Graduate Student Teaching Award” .

EDUCATION

UNIVERSITY OF ALBERTA, EDMONTON, AB

2010

M.Sc. in Computer Science

- Thesis research: Infrastructure for resource monitoring through a custom FUSE filesystem, and a filtered cloning system, building minimized virtual machine images from a profiled source input image
- Selected Coursework: Parallel and Distributed Systems, Single Agent Search

UNIVERSITY OF ALBERTA, EDMONTON, AB

2008

B.Sc. Specialization in Computing Science

- Capstone project: In a group of 2, implemented a compiler for a subset of Pascal to a JVM-like stack machine language, using C, Flex and Bison