

Jules Mazur

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Experience

- ▶ **Contractor for OpenConcept Consulting** (*July - December 2016*)
 - Researched solutions to previously unexplored issues when integrating Apache Solr into Drupal
 - Development lead on project involving the planning and development of a dashboard displaying critical computer system information
 - Performed basic Oracle SQL database setup and administration
- ▶ **Developer at SecDev Cyber** (*July 2015 - June 2016*)
 - Built and supported a scalable, networked, security-oriented web application for managing users and internally-used services
 - Regular exposure to data security-related software development with frequent implementations focused on security
 - Worked with and maintained parts of AWS infrastructure
 - Provided on-site IT support
- ▶ **Intern at SecDev Cyber** (*July 2013 - June 2015*)
 - Supported various Wordpress sites by creating, modifying, and configuring themes and plugins with fast turnover
 - Worked extensively on administration of LAMP servers with a focus on security
 - Wrote client-side JavaScript for half a dozen production websites

Skillset

- ▶ **Experienced full-stack web developer**
 - Extensive experience working with both Nginx and Apache on Linux over nearly 4 years
 - Proficient on a professional level in popular relational databases, including PostgreSQL and MySQL/MariaDB, as well as Python's DBAPI for relational databases
 - Also familiar with MongoDB and the NoSQL paradigm for rapid prototyping in a professional environment
- ▶ **Professional programmer of security-oriented network applications**
 - Primarily written in Python, often with deep system integration via Bash
 - Often featuring functionality spread between multiple layers of the OSI stack
 - Normally had a focus on code correctness and application security
- ▶ **Familiar with a wide range of frameworks, libraries, and packages**
 - Experienced ELK (Elasticsearch, Logstash, Kibana) stack developer and administrator
 - In Python: Tornado and Twisted for networking
- ▶ Expert user of Debian- and Red Hat-based Linux distributions, with a thorough knowledge of their internals and extensive experience hardening them against network-based threat actors

Volunteering

- ▶ **Computer Science Students' Assoc. (CSSA - University of Ottawa)**
 - VP Information Technology (May 2014 - May 2015)
 - * Administered Google accounts and website hosting
 - * Updated the organization's website with new WordPress theme
 - VP External Affairs (May - September 2015)
 - Helped prepare for three 101 Weeks (welcome weeks)
 - * Participated in decision-making process for nearly all aspects of the week-long events in 2014 and 2015
 - * Helped with logistics, transportation, and setup of dozens of items ahead of 101 Week in 2014 and 2015, participated as a guide in 2016
 - * Helped incoming students acclimate to a university environment
 - Helped host dozens of events over both terms, including hackathons, workshops, and tutorials
 - Frequently produced graphics (posters and digital assets) for CSSA events during both terms
- ▶ **uOttawa Computer Science Club**
 - Helped manage hosting for various campus clubs and associations
 - Participated in mitigation of damage caused by a major outage at the upstream hosting provider
 - Set up and maintained interim hosting for the CSClub
- ▶ **Great Northern Concrete Toboggan Race 2015**
 - Greeted and welcomed teams and contestants from out of town
 - Guided groups of participants around Ottawa during a day-long scavenger hunt event
 - Hauled and set up heavy equipment on race day
- ▶ **The Future of Canada's Energy conference 2015**
 - Greeted guests and speakers
 - Carried and set up equipment and furniture throughout the event

Other

- ▶ Frequent hackathon participant: Hack the North 2014, 2015, and 2016, CS Games 2015 and 2016, DubHacks 2015, YHack 2015
 - Bus coordinator for the University of Ottawa and Carleton University during Hack the North 2016
- ▶ Arduino, Raspberry Pi, and Pine64 project maker with a working knowledge of C for embedded systems programming as well as the Python Raspberry Pi API
- ▶ CIRA member and close follower of developments by IETF, WHATWG, and W3C
- ▶ Fluent speaker of English, French, and Polish; advanced speaker of Spanish; intermediate Russian learner
- ▶ Avid cyclist and hiker