

# Samuel Prashker

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## Work Experience

### Cloud Architect

Securonix

May 2022 to

July 2024

- | Lead Architect in Securonix's new Cloud-Native Unified Defense SIEM running off Snowflake - offering a 365 day 'hot' search solution.
- | Maintained oversight over migration strategy ensuring all stakeholders around cost, performance, resiliency are adhered to (multi-million dollar initiatives).
- | Gathered requirements, performed R&D around solutions and feature feasibility within Snowflake platform.
- | Built strategy around release deployment with multiple Snowflake accounts running under one organization facilitating requirements of DEV, QA, PROD infrastructure owners.

**Snowflake**  
**SQL**  
**AWS Lambda**  
**AWS Secrets Manager**  
**AWS Glue (Iceberg)**  
**RBAC (AWS IAM, Snowflake)**  
**AWS EKS**

### Senior Security Engineer

Securonix

May 2017 to

May 2022

- | Senior technical lead for many Canadian organizations, delivering a high quality end-to-end implementation of the Securonix SNYPR SIEM platform deployed both on-premise and on Cloud Platforms (AWS). Customer engagements were multi-million dollar renewing accounts.
- | Ingested, parsed, and enriched high volumes of event data on distributed Hadoop platforms with a Kafka and Spark backbone, providing organizations with the tools to quickly and effectively respond to cybersecurity events with real-time urgency.
- | Worked closely as an additional limb to customer teams in transitioning from old services (Splunk, ArcSight, QRadar) to SNYPR and providing new-value and organization-applicable techniques to combat threats with effective incident response solutions. Big data analytics used to tackle security challenges.
- | Produced custom and highly resilient scripts and operational processes catering to organizational requirements (and specific network topologies) exceeding the functionality of the core product to improve stability, performance and user experience - all while maintaining a deep and thorough understanding of each individual customers specific requirements and infrastructure.
- | Developed a Chrome Extension for power users to supplement existing UI with advanced insight into ingestion metrics, advanced debugging and diagnostics as well as supplementing threat hunting with quality of life changes.

**SIEM, UEBA**  
**Hadoop, Kafka, Spark, Solr,**  
**Python, Java, Bash**  
**Linux, Syslog**  
**SSL, Kerberos**

**Log Parsing, IAM, PAM,**  
**Security Operations, Network**  
**Monitoring, Threat Analytics,**  
**Adversary Tracking,**  
**MITRE ATT&CK,**  
**Network Security**

**Backup, DR, HA, Archival**  
**API Producer and Consumers**  
**Reporting and Metrics**  
**System Monitoring**

**Chrome Extension**  
**JavaScript**

### **Software Development Engineer (Contract)**

Canadian Radio-television and Telecommunications Commission

February 2017 to

April 2017

| Built a public-facing API for the CRTC that can facilitate the submission of reports of SMS text message spam and other spam and phishing reports from third party applications (e.g., smartphones, email service providers, WhatsApp, and other proprietary messaging systems).

***Python, Flask, SQLite, MySQL, Redis, REST API, Rate Limiting, API Development, Unit Tests***

### **Software Development Engineer (Working Holiday)**

Microsoft Tokyo

September 2016 to

December 2016

| Developed and released to Apple App Store a new and improved version of Office Lens iOS with new features and bug fixes - Top 100 rank in iOS App Store in Productivity. Facilitated a unified codebase for iPad support.

***Objective-C, iOS, Telemetry and Reports, Image Recognition, OCR, Accessibility (VoiceOver), JavaScript, ScopeScript***

| Designed and implemented 'Immersive Reader' including a new and improved language detection algorithm as well as many UI improvements and functionality to navigate through voice-read text - in collaboration with Apple.

### **Software Development Engineer (Contract)**

Rock-Hopper

April 2016 to

September 2016

| Retrofit an existing CakePHP 1.3 project with a comprehensive system-wide auditing system to record user actions with a tiered administrative permission model for filtering, querying and interacting with audit data.

***PHP, Bash, Debian, MySQL, SQL Optimization, Security Audit, Cron***

### **Intelligence Systems Developer**

#### **Cyber Security Intelligence Analyst (Co-op)**

Canadian Radio-television and Telecommunications Commission

April 2014 to

August 2016

| Implemented analytical algorithms to decode, interpret and categorize spam messages, malware, robo-calls and other unsolicited telecommunications.

| Developed the Spam Reporting Centre, a web portal facilitating multiple collaborating Canadian Government organizations to pursue cases, enforcing the Canadian Anti-Spam Legislation, resulting in millions of dollars collected through fines assessed from violations captured using the Spam Reporting Centre platform.

| Created custom Lucene QueryParser and Lucene Analyzers allowing for efficient and tailored full-text searching.

***PostgreSQL, MySQL, Python, Django, Perl, Java, Bash, TCP/IP, SSL, HTML, CSS, JavaScript, Bootstrap, JSON, Git, Lucene, Big Data, Eclipse, PyCharm, Regex, Celery, RabbitMQ, Natural Language Processing, ESXi***

**Computer Science Teaching Assistant – Mobile Applications Development**  
Carleton University

September 2013 to  
April 2014

**Quality Assurance Tester**  
Transport Canada – Rail Safety Directorate

May 2013 to  
December 2013

**Freelance Developer**

July 2006 to  
April 2013

## Education

**Bachelor of Computer Science – Computer and Internet Security** *with Distinction*  
**Minor in Business – Information Systems**  
Carleton University, 2016

Fluent in English  
Fluent in French  
JLPT N5 Japanese