

# Cosmin Stroe

Software Developer  
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<b>OBJECTIVE</b>	Seeking to deepen my knowledge of and experience with cloud systems operating at large scale, with a focus on efficiency, correctness, and maintainability.	
<b>WORK EXPERIENCE</b>	<b>Senior Software Engineer</b> Uber Freight	Apr 2020 – Current, 1 yr 6 mos
	<ul style="list-style-type: none"><li>▪ Uber Freight SRE Team<ul style="list-style-type: none"><li>• Improve alerting and monitoring to reduce time-to-detection and time-to-mitigation of incidents.</li><li>• Implement graceful failure modes and improve resilience to downstream system errors.</li><li>• Update documentation, SOPs, runbooks, and dashboards to ease the burden on oncall engineers.</li><li>• Foster a culture of knowledge sharing, ownership, and technical excellence with Freight engineers.</li></ul></li></ul>	
	<b>Staff Software Engineer</b> Uptake Technologies Inc.	Oct 2016 – Mar 2020, 3 yrs 6 mos
	<ul style="list-style-type: none"><li>▪ Mar 2019 – Mar 2020 IoT Preventive Analytics Platform: Data Service<ul style="list-style-type: none"><li>• Part of Platform Data Team, developed and operated the data service for the platform.</li><li>• Helped implement a performance monitoring framework to harden and scale the data service.</li></ul></li><li>▪ Nov 2017 – Feb 2019 Data Ingestion Platform: Scaling and Hardening<ul style="list-style-type: none"><li>• Implement recovery mechanisms in streaming data pipelines.</li><li>• Implement streaming processors monitoring via JMX and Telegraf.</li></ul></li><li>▪ Oct 2016 – Oct 2017 Data Ingestion Platform: Implementation and Validation<ul style="list-style-type: none"><li>• Implemented a CI pipeline (Jenkins) to ensure software quality and timely feature delivery.</li><li>• Integrating third-party applications into data ingestion and processing platform.</li><li>• Load test data processing pipeline to ensure throughput SLAs.</li></ul></li></ul>	
	<b>Software Engineer</b> Backstop Solutions Group	Apr 2014 – Oct 2016, 2 yrs 7 mos
	<ul style="list-style-type: none"><li>▪ SaaS Platform to support professional and institutional investors<ul style="list-style-type: none"><li>• Day-to-day operations of Java EE web application.</li><li>• Application performance monitoring, implemented AppDex metric for app.</li><li>• YourKit profiling to identify and improve application performance.</li><li>• Helped implement EHCache/Infinispan as an external caching solution.</li><li>• Implemented SonarQube for static analysis of our code base to track and improve code coverage.</li></ul></li></ul>	
<b>EDUCATION</b>	University of Illinois at Chicago, Chicago, Illinois, USA	
	<ul style="list-style-type: none"><li>▪ Master of Science, Computer Science<ul style="list-style-type: none"><li>• Course work GPA: 4.0</li></ul></li><li>▪ Bachelor of Science, Computer Engineering</li></ul>	2011 – Incomplete, Thesis Required 2000 – 2009
<b>PROFESSIONAL INTERESTS</b>	Artificial Intelligence, Machine Learning, Data Modeling and Analytics, Cloud Platforms, Stream Processing, Distributed Systems, Continuous Integration/Continuous Delivery, Software Quality, Platform Reliability.	
<b>PREFERRED LANGUAGES</b>	Java, Scala, Go, Rust (beginner).	
<b>TECHNOLOGIES (ALPHABETICAL)</b>	Ansible, Cucumber, Docker, Elasticsearch, Gradle, Grafana, InfluxDB, Jenkins, Jetty/Tomcat, JVM, Kafka, Kafka Connect, MySQL, PostgreSQL, Selenium, Spring Boot, Spring Framework, SonarQube, ZooKeeper.	
<b>LAST 3 BOOKS I'VE READ</b>	Rust in Action (in progress), SSL and TLS: Designing and Building Secure Systems, Always Day One	