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# Summary



Seasoned professional with two decades of experience, driven by unwavering passion for software development

# Experience

**Staff Engineer, Senior Software Engineer** Jun 2022 – Present

[*Bitso SAPI de CV*](https://bitso.com/) *– The first crypto unicorn in Latin America Remote*

* Led development of Clearing Service resulting in 31% increase of trading engine overall throughput
* Developed a reliable queue library on top of Redis Streams which is used in other trading engine services resulting in significant development time decrease for other services. [*Blog post pending*](https://medium.com/bitso-engineering)
* Identified a bottleneck and implemented the solution to get rid of distributed locking in balance updates resulting in 70% throughput increase
* Mentored team members in pilot mentoring program resulting in several tangible improvements in mentee’s next cycle 360 review

**Principal Engineer, Software Architect** Apr 2016 – Jun 2022

[*Crossover for Work*](https://crossover.com/) *– Top 1% of global remote talent Remote*

* Led WorkSmart NextGen project leveraging AWS data processing and analysis stack that provided regular insights of employees performance and fraud risk, resulting in a several dozens proven cases of fraud identified
* Identified and fixed a bug in a legacy telecom codebase of fearful quality, saving 0.2M$ of customers annual revenue
* Enhanced code delivery pipeline for AntiPatterns project resulting in several months of zero-failure weekly production deliveries

**Senior Software Engineer** May 2021 – Aug 2021

[*GoodIt.Works*](https://goodit.works/en) *– We launch startups Remote, part-time*

* Developed a triangular arbitrage bot MVP and potential profitability chain analysis for intra-Binance trading. <https://github.com/ululam/patron-arby/blob/main/notebooks/arbydol.ipynb>

**Senior QA Automation Engineer** Feb 2015 – Jan 2016

*Incryptex – Digital currency marketplace Remote*

* Created automated testing harness for integration and performance testing based on production data, leading to two times faster feature deliveries

**Senior Software Engineer** Jan 2013 – Feb 2015

[*AlphaOpen*](https://alphaopen.com/) *– Digital Ecosystems Moscow, RU*

* Conducted a comprehensive back-end redesign, resulting in a 10x increase in write throughput
* Developed a novel approach to event processing, increasing the system’s overall performance to a peak of 1 million events per second
* Established an automated testing pipeline, reducing the overall QA cycle time by approximately 30%.

## Software Engineer, Architect, Lead Engineer, CTO, Self-Employed 1999 – 2013

*Wygee, Reaxion, Luxoft, INCOM, RPC Overseas, CyberVision*

# Education

## Moscow Institute of Physics and Technology Moscow, RU

*Master of Science in Computer Science Sep 1996 – June 2001*

## MIRBIS Moscow International Business School Moscow, RU

*MBA Sep 2005 – Feb 2008*

# Technical Skills

**Languages**: Java, Python, SQL, JavaScript, TypeScript, PHP

**Cloud**: AWS S3, EC2, SNS/SQS, ECR/ECS/Fargate, Kinesis Firehose/Streams, RDS/Aurora, DynamoDB, CloudWatch, Glue ETL, Step Functions/Lambdas, SageMaker, Comprehend, Rekognition, RedShift, QuickSight, ELB **Other Tools:** Git, Docker, k8s, Spock/JUnit, Spring/Micronaut, PostgreSQL, mysql, k6, Splunk, Datadog, Jupyter **Certifications**: [AWS Certified Solutions Architect](https://www.credly.com/badges/efb54f43-568c-42b9-b43c-1d18b35cd330), [AWS Certified Machine Learning - Speciality](https://www.credly.com/badges/3f59e27e-9cbc-4347-9dff-a0477735519b)