Alexey (Oleksii) Zakharchenko

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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 – 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*
- 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 – 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 – 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 – 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, AWS Certified Machine Learning - Speciality