ANDRII **ABRAMOV**

SOFTWARE ENGINEER

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SUMMARY

   I am a seasoned Software Engineer with over 6 years of experience, having a proven track record of successfully launching projects from inception to completion and leading teams. My approach to collaboration with teams and innovative problem-solving has led to solutions that exceed expectations. I have a great understanding of business goals and know how to balance deadlines and quality.

   Also, I am a fan of FinTech with experience in bootstrapping Payment Service Providers from scratch and passionate about functional programming, strongly typed languages, Kubernetes, and Scala. I also enjoy working with infrastructure and service reliability: CI/CD, deployment, release management, monitoring, and metrics. My motto: "Through teaching, you learn".

WORK EXPERIENCE

Tranzzo
Sep 2021 - Apr 2023

Tech Lead   *Kyiv, Ukraine*

- Led a team of 5 engineers, successfully launching the project in just 1 month instead of the planned 3 months.
- Conducted a comprehensive security audit, both internally and with the help of an external contractor, identifying and addressing tens of critical vulnerabilities before launch.
- Set up project infrastructure on Google Cloud from scratch, including 3 separate environments (dev, stage, and prod).
- Implemented CI/CD pipelines using CircleCI, Spinnaker, and Helm, enabling automated canary deployments with monitoring and rollbacks.
- Created a data lake using CDC, resulting in a 300% improvement in back-office team delivery and simplifying service development.
- Mentored and trained two promising junior engineers to become valuable members of the team.

Exabeam
Sep 2020 - Sep 2021

Software Engineer   *Kyiv, Ukraine*

- Designed and developed 4 microservices for real-time streaming data enrichment and aggregation analytics.
- Achieved a 150x improvement in client-side cache performance by implementing a key tree flattening strategy.
- Built a robust and fault-tolerant scheduling service with leader election and time-zone support capable of handling thousands of tasks per second.
- Implemented an analytics wiretapper to provide clients with detailed pipeline cost reporting, enabling them to optimize their workflows.
- Developed a schema tracker to improve data validation and enhance the user experience for clients, resulting in higher satisfaction rates.
- Streamlined the core library by reorganizing it into modules, reducing transitive dependencies by an average of 80% for services.
- Produced extensive documentation for PoCs and algorithmic proposals, facilitating knowledge sharing across teams.

Tranzzo
Sep 2017 - Sep 2020

Tech Lead   *Kyiv, Ukraine*

- Implemented a dynamic payment routing system thus making it possible to spread payment flow according to the predefined rules.
- Created a PCI DSS Level 1-compliant tokenization service for card processing, ensuring secure handling of sensitive data.
- Developed a blacklist service for declining suspicious or illegal transactions. As a result fraudulent activity was reduced by 30%.
- Created a service for cascading recurrent payments in case of failure, leading to an 8% increase in payment conversion rates.
- Conducted over 120 technical interviews for positions in Scala, Node.js, and QA, with approximately 30 resulting in hires.
- Integrated 7 banks, expanding the business's reach and capabilities.
- Implemented efficient ETL pipelines on top of Kafka and Elasticsearch, resulting in a 20x improvement in average query performance.

EDUCATION

Bachelor's degree in Computer Science
Sep 2014 - Sep 2018

Faculty of Applied Maths, National Technical University of Ukraine 'Kyiv Polytechnic Institute'

SKILLS

- **Languages:** Scala, Java, TypeScript, Kotlin
- **Cloud:** GCP, AWS, DigitalOcean
- **GCP:** Kubernetes Engine, SQL, Storage, PubSub, CDN, Endpoints
- **Microservices:** Akka, http4s, Play Framework, NestJS, Spring Boot, OpenAPI/Swagger, Istio
- **Infrastructure:** GCP, Terraform, Helm, Istio, Kiali, CircleCI, Spinnaker, Grafana, Prometheus
- **Messaging:** Kafka, RabbitMQ, NATS, Google Cloud PubSub

- **Containers:** Docker, Kubernetes, GKE
- **BigData:** Akka Streams, BigQuery, Spark
- **Databases:** PostgreSQL, MySQL, MongoDB, Cloud SQL
- **Streaming:** Akka Streams, Spark, NATS
- **Search:** Elasticsearch/ELK, BigQuery
- **Serverless:** Google Cloud Functions, Cloud Run, App Engine.
- **Scripting:** Bash, Python, Go (CLI development)

CERTIFICATIONS

HashiCorp Certified: Terraform Associate (003)   *May 2023*
Oracle Certified Professional, Java SE 8 Programmer   *Apr 2017*
Oracle Certified Associate, Java SE 8 Programmer   *Sep 2016*