**Illia Pogodin**

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Experienced Software Development Engineer and Architect with a 13 years track record of delivering Distributed and

Mission-critical Systems in high-agility development environments.

**Work experience**

| **Meta** | **Software Engineer L5** | **2025** |
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Tupperware allocator. Internal Kubernetes for entire Meta’s fleet

* Implementing rebalancer service mainly aimed for AI training optimization, allegedly saving company several millions in operation costs annually
* Imrove reliability by
  + setting up metrics for AI training allocation processes.
  + improving internal tools for investigating ongoing issues with allocation, saving time and money daily by resolving issues faster.
* Improved internal communication by implementing knowledge transer group for comprehensive incident data sharing

| **Google(TVC)** | **Senior software engineer** | **2024** |
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Google messages backend team. 1.6bn active customers.

* Through collaboration with legal teams designed and delivered the integration coverage for lawful intercept inside RCS messages.
* Delivered the optimization for 300 mil Apple customers transition into Googles’ RCS infrastructure.
* Identified and resolved the implementation flaws on corner cases.
* Designed simplification for integration flows.

| **Salesforce** | **Senior member of technical staff** |  | **2019-2023** |
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Entity API team:

* Delivered a GraphQL UI integration into Salesforce infrastructure to let customers, such as Airbnb and Bank of America, and internal engineers work with GQL API efficiently.
* Designed and delivered a modular system for GraphQL inner implementation, which allowed other teams to inject custom functionality into Salesforce's API; this system promoted code reusability, simplified the development process, and allowed teams to inject custom revenue increasing filters.
* Delivered comprehensive testing and monitoring strategy for existing REST APIs as well as GQL API.
* Supervised the quality of all delivered features by two teams consisting of 15-25 people as a part of security champion responsibility.
* Initiated and delivered new security assessment process, saving approximately 200 working hours per year for teams.

Security team:

* Redesigned and delivered company-wide system for training against phishing attacks. Excluded vulnerabilities that cost hundreds of human hours per year.
* Delivered initiated environment synchronization incident handling feature, resulting in significant efficiency improvements for the mission critical customer teams.

| **Wargaming** | **Senior Software Development Engineer** |  | **2018-2019** |
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Game platform development team:

* Rebuild and delivered wargaming promotion engine.
* Delivered a business objects validation system engine.
* Led redesigns of price system flexibility and configurability, as well as operation-log storage.
* Rebuilt database structure for products definition platform.

| **IGT** | **Software Development Engineer III** |  | **2016-2018** |
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Platform engineering team:

* Designed and delivered low-latency high-throughput microservices for IGT system.
* Redesigned and delivered one of the key services, reducing latency by 10X.
* Code-reviewed, fixed, improved, and extended several other services.
* Migrated all modules of the OSGI monolith to a single version of Scala.
* Defined metrics standard for company services, and delivered it as a library.

| **Prior experience** | **Software Development Engineer** |  | **2010-2016** |
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* **Deutsche bank:** Delivered optimization for the Large Investment Fund Platform; this resulted in a 20% improvement in calculation execution time, removal of problem-causing parts in the DAO layer, and increased efficiency and supportability of the back-end system
* **Deutsche bank:** Leaded the move to Git from SVN, reducing the dev-qa-dev cycle by 10%.
* **Belleron:** Designed and delivered a Storm-based distributed computation solution for an anti-fraud initiative for a large bank, which included building a bank emulator system used by QA for load and functional testing.
* **Alertme:** Developed and delivered high-throughput, low-latency REST-API service, and UI for a smart home technology startup.
* **Ocado:** Delivered a new module for handling vacation/sick/absence/swapping in a time management system for employees targeting big market players with a large number of staff.
* **E-Motion:** Reworked the UI of a call management system to hit the backend 2.5 times less, while concurrently doubling test coverage to bring all the logic under control.

**Education and Credentials**

**Masters in Applied Mathematics**

***National University Of Ukraine, Faculty of Cybernetics, Kyiv, Ukraine***

**Technical Skills**

**Computer Science:** Algorithms, Data Structures, Concurrent Programming

**Engineering:** Design Patterns, Testing, TDD, Scrum, Reviews, Monitoring, Profiling

**Java Stack:** Java Core, Spring, JSP, JDBC, JPA, Kafka, Hibernate, Liquibase

**Databases:** Postgres, MySQL, MongoDB, Redis

**Application Servers:** Tomcat, Jetty

**Build Automation:** Maven

**Testing:** JUnit, JBehave, Mockito

**Version Control:** Git

**Web:** HTML, CSS, JavaScript, jQuery