Peter Kalambet

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Summary

- Distributed systems architecture
- Permissioned and permissionless blockchain networks and platforms
- Services based development
- Micro-services, containers, 12 factor application practice and methodology
- Continuous Integration, Continuous Delivery

Work Experience

June 2017 - March 2020
QIWI Blockchain Technologies (QBT)/FinTech Association

- **Permissionless blockchain** (Ethereum, Polkadot/Substate, TON) and **Permissioned blockchain** (R3 Corda, Hyperledger Fabric, Masterchain) **networks** projects
  - *Activities*: software architecture/service development. QBT is an EEA and R3 member implementing projects and doing research in the blockchain area for a local market focusing on financial institutions
- **Masterchain project** - Russian Central Bank approved Ethereum fork with cryptographic algorithms approved by the state (GOST algorithms – also based on elliptic curve cryptography)
  - *Activities*: software development and research
- **Research activities and knowledge transfer**
  - *Activities*: technology white/yellow papers review, PoC implementation, co-authoring reports (technical expertise) on digital assets evaluation.

Mar 2017 - June 2017
IBM Russia (GBS Digital)

- **Heperledger Fabric Blockchain pilots** - Hyperledger Fabric pilots and research for Sberbank (the biggest Russian bank)
  - *Activities*: architecture and software development

Apr 2016 - Mar 2017
IP Kalambet Petr Igorevich (TechOps)

- **Architecture and team leadership, services development** - TechOps is an Engineering Division within one of the largest venture funds in New York & Los Angeles
  - *Activities:* Team Lead: architecture and development for several projects

Jan 2012 – Apr 2016
IBM Science and Technology Centre (Cloud and Mobile Technologies Team)

- **Pivotal Cloud Foundry** – *open source PaaS virtualization engine*
  - *Activities: contribution to the main Cloud Foundry (CF) branch and porting CF on POWER (project IBM Bluemix on POWER)*

- **Blockchain POC for a decentralized notary service**
  - *Activities*: architecture design and PoC implementation;
- **IBM Identity Mixer** – privacy-preserving authentication protocol
  - *Activities*: architecture and implementation: creating web-services, building a public demo, integration with Cloud Foundry (IBM Bluemix) as an experimental service in the public catalog
- **Wireless NFC-based mobile payment solution** – pilot project to create wireless card delivery and payment solutions
  - *Activities*: software development for Android

2009 – 2015
IBM Science and Technology Centre (Rational Team)
- **Rational Design Manager** – Web/Eclipse-based software modelling and design tool
  - *Activities*: software development

- **Rational Software Architect (Real-time Edition)** - Eclipse-based UML/Topology/BPMN modelling and code-generation environment for Real Time system
  - *Activities*: software development

- **Rational Rose** – UML modelling tools for software design and code generation
  - *Activities*: software development

2006 – 2009
Institute for System Programming Russian Academy of Science

- **Telelogic Tau/DOORS/Synergy** – A set of UML modelling tools for software design, code generation, requirements management, and source control
  - *Activities*: software development and integration

2001 – 2005
'Ampersand' LTD
- **Ampersand MultiChrome** – Chromatography automation software
- **Ampersand miniLIMS** - Laboratory Information Management System for chromatographic laboratories
  - *Activities*: software development

Education
2006 – 2009
Institute for System Programming Russian Academy of Science
- Postgraduate

1999 – 2006
Lomonosov Moscow State University (MSU)
- M.Sc., Faculty of Computational Mathematics and Cybernetics, System Programming Department