

STANISLAV YUDIN

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SENIOR SYSTEM ARCHITECT AND ENGINEER

Experienced hands-on Senior System Architect with more than 15 years of experience delivering large-scale, custom, integrated technology solutions for leading Telecoms, Hosting Organisations. Expertise includes web, e-commerce and cloud automation platforms, payments and banking software. Open source enthusiast who works effectively with global, multi-national, cross-functional teams.

AREAS OF EXPERTISE

- Solution/Software Design
 - OSS/BSS architecture
 - Native Cloud Services
 - Enterprise Integration
 - Test Automation & CI
 - Banking & Payments processing
 - Regulated computing
 - Scalability & High availability
 - SaaS/IaaS/PaaS
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PROFESSIONAL EXPERIENCE

FLUENTCOMMERCE, MELBOURNE

2021 – now

PRINCIPAL ENGINEER

The Distributed Order Management system that enables digital agility and profitability. Largest AWS hosted in southern hemisphere cloud native order and inventory processing system.

▪ Responsibilities:

- Design, implementation and maintenance of core system infrastructure across 4 regions and 40+ accounts.
- CI/CD and release cycle of the backend services
- Platform margin and compute usage optimisation
- General guidance and engineering practices across platform teams

ISIGNTHIS GROUP (ASX:ISX), MELBOURNE

2020 – 2021

PRINCIPAL ENGINEER

Core banking platform principal engineer, reporting directly to CTO, in a highly regulated environment across 4 jurisdictions including European Central Bank regulations. Payments processing with credit card scheme interfaces and digital credits and debits (SEPA, Pay.Uk) with integrated KYC processes, AML and identity management.

▪ Responsibilities:

- Ownership of core banking platform backlog, focused on tech debt reduction by adoption of a modern development practices, including observability, monitoring, reliable/repeatable builds and so on.
- Automation of a PCI/DSS compliant deployments in AWS and Azure, adoption of a merge windows, automated CD pipelines across development teams in 3 countries (Australia, Cyprus and Lithuania).
- Code reviews, lectures, workshops and general day-to-day hands-on guidance of product teams serving customers (banks) running our software in SaaS and on-prem models.
- OAuth2 OpenID Connect compliant identity service implementation and integration with products of the company
- Implementation of a HSM-based encrypted message exchanges with international payment systems over MPLS networks, high-availability and redundancy to match required SLAs of European Central Bank.
- Security practices for cloud native application development, built into tools and pipelines adopted by development teams.

▪ Technology:

- Java 12 Spring Boot micro services, Hadoop/HDFS & Oracle
- .Net framework 4.7 ported onto .Net core and now cross-platform .Net 5 for core banking software with MS SQL Server clusters in the back.
- Python for tooling on AWS and Azure
- Lots and lots of scripts in Bash and PowerShell
- Terraform(Azure) and CloudFormation(AWS)
- C++/14 for MPLS-interfaced software in regulated data centres.

▪ Products:

- <https://www.isignthis.com/bbs>
- <https://www.isignthis.com/probanx>
- <https://www.isignthis.com/strong-customer-authentication>

LATITUDE FINANCIAL SERVICES, MELBOURNE

2018 – 2020

SENIOR CLOUD ENGINEER & SOLUTION ARCHITECT

Senior engineer in the Cloud Native Platform team. All things Amazon Web Services, general engineering practices and tools uplifting. Leading infrastructure as a code initiative across several projects in different stages of maturity: from being in production and high cost of mistake to PoC experiments enablement.

Responsibilities:

- Implementation of CI/CD pipelines with high code reuse and autonomy of the projects
- Service Catalog and automation for it with CD, tests, release cycles and SLAs for the entire organisation
- Establishment of modern SDLC practices: Pull requests, Code reviews, Collaborative engineering
- Technical owner of observability initiative (as part of the pipelines) for one of the biggest software delivery project in the organisation
- Technical owner of integrations and reporting systems: customers data analysis, revenue & CLVs.
- Platform self-servicing support for project teams: reusable infrastructure, approvals & access requests, shared services onboarding.

Technology:

- Node.JS, Golang & Python (both for data and infrastructure glue)
- Jenkins, BuildKite
- DataDog, Sumologic, Pagerduty
- AzureAD SSO
- AWS platform administration automation: permissions as a code via CloudCustodian, regulatory requirements and audit, security automation.
- Dockerize all of the things. (Even lambdas)

CEVO AUSTRALIA PTY. LIMITED, MELBOURNE

2017 – 2018

SENIOR CLOUD AUTOMATION CONSULTANT

Cevo is a leading provider of cloud management solutions and services that helps companies to achieve excellence in their DevOps operations through the design and deployment of innovative and leading edge technologies.

Responsibilities:

- Implementation of CI/CD pipelines and processes required to make pipelines efficient
- Automation of deployment and operations to reduce human errors and increase confidence and delivery rate
- Consultations on intricacies of AWS, Docker and Linux kernel
- Design and implementation of services on cloud native architecture, SOA, micro-services, GraphQL
- Participation in the system architecture design to cover both technical and legal (regulatory) requirements
- Being the tech-go-to person in general

Technology:

- Node.JS, CoffeeScript, Java 9, OpenResty/Lua, Python
- Buildkite, GoCD, Jenkins as a code for CI/CD
- NewRelic, Splunk & OpsGenie for Ops automation
- All things AWS & Docker

INGRAM MICRO AU PTY. LIMITED, MELBOURNE

2012 – 2017

SOFTWARE ARCHITECT, PROFESSIONAL SERVICES TEAM

Full responsibility of technical design of the projects for professional world-wide services team. Serving various US, EU and APAC customers.

Responsibilities:

- Pre- and post-sale assessment & design, scoping & estimation.
- Preparation of software requirements specification (SRS), SoW analysis.
- Odin Automation Enterprise and Cloud services adoption consultancy
- Public, private & mixed cloud infrastructure architecture for customer solutions
- Design and implementation of SSO solutions based on SAML & OpenID
- On boarding for cloud services & applications into customer's portfolio

Technology:**Odin Automation Platform**

- Multi-threaded C++
- Java 8, Wildfly
- Python
- CI/CD with Jenkins, OpenStack, Stash & Jira
- JavaScript(ESMA 5), DoJo & APS Standard
- REST/SOA schema based APIs

ANTURIS, RUSSIA

2011 – 2011

TECHNICAL ARCHITECT

Led the development of a scalable SaaS solution for internal & external monitoring of the web/network based services & applications.

- **Responsibilities:**
 - Back-end processing service - design & implementation
 - Rich MVVC SPA client - design & implementation
 - Distributed storage & infrastructure system design
 - Sensors/Monitors design, such as
 - <https://anturis.com/jvm-monitoring/>
 - <https://anturis.com/web-transactions-monitoring/>
- **Technology:**
 - Tornado web framework behind Nginx
 - SQLAlchemy, Cassandra & Redis
 - ExtJS

STACKLESS RECURSION (K7CLOUD/K7COMPUTING), INDIA

2009 – 2011

SENIOR SOFTWARE CONSULTANT

- **Responsibilities:**
 - Architecture design for new high-load web applications platform
 - System design of data storage and processing with GAE and AWS EC2, ELB and CloudFront
 - Leading the development and testing teams
- **Projects:**
 - Cyclozzo Platform – Google’s AppEngine in the private cloud
 - ScaleInfra – Auto-scalable system for classic web services
- **Technology:**
 - C, Python & Java
 - HyperTable storage system
 - Opensource tools and libraries (Google Protocol Buffers et al)
 - Cocoa, UIKit, AppKit, Qt 5

PARALLELS, RUSSIA

2005 – 2009

SENIOR SOFTWARE ARCHITECT, PROCESS AUTOMATION TEAM

Led the development and integration of all process automation software (code metrics, code coverage by tests, testing servers farm scheduling, testing servers farm usage statistics). Designed and implemented automated deployment of all major company products to remote hosts; implemented remote unattended installation of Windows, Linux and Mac OS X in native way for each operating system.

- **Responsibilities:**
 - Contribution to OpenVZ/Linux kernel tests suite, patches review.
 - Parallels Deployment Service – Architecture & design
 - Parallels Server for Mac – CI/DevOps lead
 - Parallels Server for BareMetal – CI/DevOps lead
- **Technology:**
 - C, C++, Python

QA/RELEASE TEAM ANALYST

- **Responsibilities:**
 - Use cases analysis
 - Specifications for new features implementation
- **Projects:**
 - Automated testing framework and execution engine for C/C++ API.
 - Test cases implementation, Design and Code review (Virtuozzo, PIM, PVA)
 - Reporting portal. Storage and browsing web service and portal with tests execution information.
 - Development of automated regression software testing suit. - Leading development of unit testing framework for dynamically linked libraries (Primary product SDK).

EDUCATION & CERTIFICATIONS

ACS Professional Certification - 2010

Master of Computer Science (MS) - Moscow State Institute of Radio Engineering, Electronics & Automation – 05-07

Bachelor of Computer Science (BS) - Moscow State Institute of Radio Engineering, Electronics & Automation – 01-05