RUSTAM ISANGULOV

SENIOR SOFTWARE ENGINEER AND ARCHITECT(10+ YOE)

WITH PRODUCT MANAGEMENT EXPERIENCE (6+ YOE)

SKILLS

- Java 11 | Kotlin (backend) | JavaScript | TypeScript | React | JUnit | Jest | Matlab | SQL | C# | C++
- Git | GitHub | Aha! | Jira | Microsoft VSTS | UML Modelling | TDD | BDD
- All aspects of SDLC | Research | Engineering | Product | International: UK, USA, China

EXPERIENCE

SOFTWARE DEVELOPMENT ENGINEER, AMAZON PRIME VIDEO UK – OCT 2022 - MARCH 2023

- Took full ownership of metadata downstream API optimisation and its efficient utilisation projects
- Designed, implemented and deployed a feature that is called > 2 million times per day at peak time
- Full stack development: **Kotlin** for the backend, and **Typescript | React | Redux** for the front-end
- Identified relevant metrics, created performance dashboards, executed feature dial-up process
- Pull requests, code reviews, unit testing, integration testing, A/B experiments for deployment

Product Management positions

PRODUCT MANAGER, INTELLISENSE.IO CAMBRIDGE UK – 2020-2021

- Delivered product roadmaps, feature specifications and requirements for an industrial AI platform
- Led agile development process for the “platform” scrum of ~12 engineers

SOLUTIONS ANALYST, SLB, BEIJING CHINA – 2018-2020

- Led the analysis of customer needs for automated planning within an engineering platform
- Investigated applications of classical AI planning to improve consistency and procedural adherence

TECHNICAL PROJECT MANAGER, SLB, HOUSTON USA – 2015-2018

- Led a team of ~12 engineers to deliver a new automation system for drilling fluids workflows
- Owned the design of the multi-domain logical inference to enable cross-product integration

SOFTWARE PROGRAM ARCHITECT, SLB, HOUSTON USA – 2013-2015

- Defined the vision for the first drilling automation solution based on classical AI planning
- Created architecture, set technical direction and provided technical leadership to ~30 engineers
- Owned technology stack choices: **C# | RabbitMQ | MongoDB | Postgres | Microservices | PDDL**
- Led collaboration with King’s College London researchers and control system manufacturers
- Led the project from the inception phase in research to commercial deployment for a large customer

SENIOR SOFTWARE RESEARCH & DEVELOPMENT ENGINEER, SLB CAMBRIDGE RESEARCH UK – 2004-2013

- Drill-a-Stand: automation for industrial workflows using SciSys APEX system for satellite control, **HTML5 | jQuery | WebServices | Matlab | Simulink | Stateflow | LabView | OPC DA/UA | Modbus**
- AutoROP: soft real-time data processing and optimisation software for model-predictive control, **C# | Matlab | WebServices**
- Remote drilling: multi-tier solution to enable remote control workflows for heavy industrial equipment, **C# | Matlab | Linux-based PLC | WebServices**

SOFTWARE ENGINEER, SLB, HOUSTON – 2000-2004

- Real-time GeoSteering: software to enable 3D model-based navigation workflows for oil&gas drilling, **C# | .NET | Microsoft SQL Server | ODBC | SQL | UML**
- Bit-On-Seismic: software to visualise real-time 2D seismic updates, **C++ | MFC | XML | Rational Suit**

EDUCATION

Doctorate *Applied Mathematics* Imperial College London, UK

Engineering Diploma (~MS) *CAD/CAM Systems & Applied Math* MSTU “Stankin”, Russia

OTHER

Oracle Certified Professional Java SE 11 Developer May 2022

PATENTS

- Method of Creating and Executing a Plan (US11542787B2)
- Systems and methods for executing a plan associated with multiple equipment by using rule-based inference (US11288609B2)
- Well Construction Management and Decision Support System (US10920565B2)
- Automated sliding drilling (US10883356B2)
- Method and system for directional drilling (US10612307B2)
- Method for calculating and displaying optimized drilling operating parameters and for characterizing drilling performance with respect to performance benchmarks (US10316653B2)

PUBLICATIONS

- Optimizing ROP through automation (Drilling Contractor, Sep 21 2011)
- Increased Rate of Penetration Through Automation (SPE-139897-MS)
- A mathematical model of an oil and gas field development process (European Journal of Applied Mathematics, Mar 8 2010)

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