

CURRICULUM VITAE

Dmitry Ryabokon

Dmitry has PhD in Artificial Intelligence. His professional experience includes 15+ years of engineering/project management for both Outsourcing and Product companies in Enterprise, Fintech, Logistics, Embedded, Mobile Security and multiple other projects. Over the time working in large outsourcing delivery centers (Deutsche Bank, LG Electronics) with annual project budget \$5+ millions, Dmitry has operated teams of 100+ people. Since 2002 Dmitry holds lecturing for Kyiv Polytechnic Institute and Taras Shevchenko National University of Kyiv, his R&D researches are commercialized for Digital Identity, License Plate Recognition (LPR), On-line loans, Texture Segmentation, Stereo Vision and multiple other projects backboneed by Machine Learning and Computer vision.

CORE COMPETENCES

- Engineering leadership of R&D projects
- Delivery management
- Coordinate multiple projects and multi-cultural global teams
- Establish processes to ensure smooth, client prioritized, high-quality deliverables
- Identify, analyze risks, plan and implement risk mitigation actions
- Demand planning based on project priorities/scheduled deliverables and coordinated planning process
- Provide optimal solutions in terms of scope, risks and cost to meet and exceed customer expectations
- Strong leadership and people development skills
- Pre-sales support

TECHNOLOGIES & FRAMEWORKS

- CV: OpenCV, Pillow, Tesseract
- ML: TensorFlow, Keras, Numpy, Pandas, SciPy, Scikit-learn, Matplotlib, Time Series
- Math: Python, Matlab, R
- 3D: DirectX, OpenGL
- SQL: MySQL, Oracle, PostgreSQL
- NoSQL: MongoDB
- Web: Postman, Fiddler
- IDE: PyCharm, MS Visual Studio, NetBeans, IDEA, KDevelop
- CASE tools: Visual Paradigm for UML, Rational Rose, Enterprise Architect
- Version control: Git, SVN, CVS, Microsoft Source Safe, Hudson (integrity control)
- Doc: Doxygen, JasperReports
- ERP\CRM: Cognos, Jira, SugarCRM
- Agile: Scrum, XP, FDD, TDD

ACADEMIC BACKGROUND

- 2002-2005: Cybernetic Center of the National Academy of Science of Ukraine, PhD
- 1996-2002: National Technical University of Ukraine, physical & engineering faculty, MD

TRAININGS AND CERTIFICATIONS

- 2011: Executive MBA training
- 2010: Advanced training in negotiation skills
- 2010: Advanced training in presentation skills
- 2009: Technical sales training
- 2009: Efficient networking training
- 2002: Artificial intelligence: Dresden Technical University
- 2000: Pattern recognition: gfai.de

EXPERIENCE

2017 – now: Engineering manager at Star.Global

Projects

- Various projects for Enterprise Mobile Security Management and Automotive

Responsibilities

- Client facing, day to day cooperation with product team and project stakeholders
- Full engineering cycle to deliver iOS and Android applications from design to live
- Post-production support of the products: maintenance and improvements
- Addressing and resolving issues escalated from end users
- Continuous improvement of the product: system design, UX, functionality, and features
- Managing of prioritized product roadmap and backlog
- Identification, addressing, mitigation and resolving the project risks
- Day-to-day management of engineering teams
- Enhancing and following best engineering practices for CI/CD/Test automation/Performance testing

Technologies/tools/frameworks

- WebSSO, Web Services, IT Security, AWS, IT Security
- Git, Jenkins, Jira
- CI/CD/Test automation, Performance testing
- Java, Objective-C
- iOS, Android

Key results and achievements

- 2x reduced crash rate of the iOS App
- Implementing continuous integration/deployment practices reduced manual testing efforts up to 30%
- Green delivery of Android and iOS mobile security Apps serving 500,000+ end users
- Strong and highly performing engineering team recognized by Customer feedback of 90% Net Promoter Score

2012 – now: Associate Professor at Kiev National T. Shevchenko University**Subjects**

- Machine learning
- Data Classification
- CNNs
- Optimal labeling

Projects

- License plate recognition
- Anomalies detection
- Pose estimation

2002 – now: Snr Lecturer, Associate Professor at National Technical University of Ukraine**Subjects**

- Machine learning: Neural networks, SVM, Random Forrest, Supervised and unsupervised learning, EM algorithms, Non-linear optimization
- Image processing: 3D reconstruction of human faces, 3D graphics (DirectX, Open GL), Texture segmentation, Coding (jpeg, wavelet), filtering, de-noise
- Texture Segmentation, Stereo Vision

2013 – 2017: Project manager, onsite project coordinator at Zoral Labs**Projects**

- Decision engine for online e-lending systems.
- Business rules management for credit risk decisioning
- Loan management system (LMS)

Responsibilities

- Requirements / Engineering / Delivery management
- On-site client coordination and communications management
- Managing of prioritized product roadmap and backlog
- Day-to-day management of project teams, people mentoring and development
- Identification, addressing, mitigation and resolving of project risks
- Enhancing and following agile-based best-practices
- Pre-sales consultative support

Technologies/tools/frameworks

- R,Python
- JS
- Git, Trac, Wiki
- Oracle, Java, .NET, C# .NET, MS-SQL

Key results and achievements

- Decision making for online lending system serving 100+ applications a day
- Optimizing the portfolio's KPIs by reducing the default rate ~ 20% as well as increasing the number of returning customers
- Implementing the enhanced affordability verifications and automated credit risk decisioning based on application data, social data, bureau data and multiple other data from heterogenous sources

2009 – 2013: Project/Program manager at Deutsche Bank ODC**Projects**

- Reference Data Services – development of master data management tools. Development of Data Warehouse architecture guiding principles.
- Operations Portal – developing of BI tools for analysis of capacity, cost per trade, resource utilization and other performance indicators (KPI's) for Global Business Solutions.
- Lead Corporate Junior Program: acquisition, trainings and integration of young talent to delivery. Managed the development of up to 200 new interns per year.

Responsibilities

- Managing structural unit (100+ FTE) of multiple projects (data mining tools, analysis of transaction costs impact, trade management lifecycle, incident management, reference data management)
- Adopting Disciplined Agile Delivery practices in rapidly changing, collaborative business environment
- Establishing processes for data secure, high-quality service-oriented deliverables
- Building a strong, engaged core team of business SMEs, resource optimization
- People management and development
- Ensure timely project resource management
- Client facing, managing customer expectations, coordinating meetings/presentations to make sure all stakeholders are informed and are providing valuable input, participate in project governance activities

Technologies/tools/frameworks

- Java, C++, JS, Python, Git, Gerrit, Jira, Wiki, WebKit, Enyo
- Informatica, MDM Hub, PegaRules
- Flex, Oracle, Java, IBM Cognos, QlikView

Key results and achievements

- Real-time applications are developed/maintained according to 5000+ business users' needs
- Project targets are met: progress, quality, cost, KPI's
- Agile based development practices are established and continually improved
- Establishing from scratch and development the Corporate Junior Program secured \$1+ million/year savings

2007 – 2009: Project manager at ITT-consulting

Responsibilities

- Scrum-based management of various types of projects (R&D, VoIP, ERP, CRM, Web, etc.)
- Implementing scalable corporate ERP/CRM system
- Customer communication, pre-sales consulting, customer presentations, technical requirements specification, management of effective customer communication

Technologies/tools/frameworks

- C++, Asterisk, DirectX
- Sugar CRM, Joomla, MySQL

Key results and achievements

- Automated performance appraisal of the sales and marketing department
- Successful grew and maintained client relationships in IT (100 new direct contacts/year)
- Efficient pre-sale negotiations (up to 5 personally customized complex solution offers to global customer base per week)

2006 – 2007: Project manager at Innovative marketing

Responsibilities

- Implementing of expert decision-making system to optimize targeted marketing for clients.
- Forecasting of customer purchasing capabilities and analysis of target advertisement
- Internal training (UML, software design, risk management, statistical pattern recognition)

Key results and achievements

- The effective target marketing strategy that improved profit up to 40%
- Analytical tools for aligning multi-channel advertisement strategy according to clients target customer groups/segments

1999 – 2005: Team leader/PM in Cybernetic Center of the National Academy of Science

Responsibilities

- R&D in pattern recognition: binocular computer vision, human identification by face image and human behavior analysis, texture segmentation, processing of drawings and schemes
- SW engineering for embedded systems

Key results and achievements

- 10+ printed works
- DAAD (Deutscher Akademischer Austausch Dienst) grant winner
- National Academy of Science delegate in Hannover Messe
- Image processing algorithms are implemented in Reuter's face search engine (viewdle.com)

FOREIGN LANGUAGES

- English – fluent
- Russian - fluent
- German – basic level

LINKS AND CONTACTS

- github.com/dryabokon
- linkedin.com/in/ryabokon
- d.ryabokon@gmail.com