

**Slava Agafonov**

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A senior engineer, data scientist and entrepreneur with more than dozen years of experience in designing and scaling enterprise software with an excellent background in distributed systems, platforms, and Big Data. Slava received customer obsessions awards in Microsoft and always acting as a bridge from business to technology with a pioneering spirit. Viacheslav is passionate about leadership roles on strategic and impactful projects with metrics-driven, high-performance, and scalable development. Slava is a life learner with two master's degrees in technology management and computer systems.

## **Education & Training**

**Technology Management MBA** (2015-2017) - Foster School of Business, University of Washington.

Computer Science Masters with Honors (2002- 2007) - **Kharkov National Airspace University**, Faculty of Radio Systems for Aircraft **Department of Computer Systems and Networks**.

Received training in machine learning, entrepreneurship, business pitch, Dale Carnegie skills for success.

### **Energsoft – CEO (2016 – present)**

Energsoft, Inc. provides an enterprise cloud software as a service platform with analytics tools for companies that manufacture or use energy storage, ultracapacitors, and batteries. Our existing software platform tracks four thousand batteries and capacitors, and customer data from the 20 smartest companies in the industry like Intel, and Microsoft. We are not building new batteries or battery management system, it is data analysis and visualization company like **Tableau Software**, but for energy storage. As a CEO of the company, Slava raised 170,000\$ and won multiple University startup competitions while inside MBA program in USA, but also in the international competitions in China and Australia.

### **Microsoft – Senior Software Development Engineer (2011 – present)**

Currently working in AI Core division - knowledge and conversation team. Received four promotions from contract SDET to full-time Senior SDE. Managed critical Bing Ads and NLP projects to power Cortana and Excel.

- ✓ Shipped Artificial Intelligence features in Microsoft Excel, built backend infrastructure to update entities from the Knowledge Graph and Financial Exchanges over Morning Star to 50 million users all over the globe.
- ✓ Created service for state of the art natural language processing project NEMO; improved backend with 15% less loading time, 5% less memory, and 50% faster performance without a change in precision or recall.
- ✓ Conducted NLP pipeline for Wikipedia tables extraction from 800M tables on the web.
- ✓ Mentored and led a team of four to build a portal and automatically determine a web content type and generate attributions or encumbrances for it. Attributions displayed where data is coming from, updates sizes of images and other tweaks depending on devices, operating system or product that user is using, it was integrated with Bing Entity Pane, Bing Knowledge API, and many other Microsoft products.
- ✓ Led a team of three senior engineers in California to develop Bing Ads Content API version 2. Increased daily revenue from \$2K in November 2015 to \$20K in May 2016, and to \$12M annually.
- ✓ Oversaw customer's onboarding for **Nordstrom**, **Alibaba**, **Jet.com**, **Rakuten**, and **eBay**, e.g., that entailed prioritizing custom features and delivering 24/7 support.
- ✓ Built request for information service to send ads emails from SMTP server - 1M emails per hour.
- ✓ Architected orchestration engine to extract storage content and to upload it to Azure Table (NoSQL) storage with the optimized infrastructure to support speed over 1000 rows of blob data per second.
- ✓ Shipped service for credit card payments and integrated it with Commerce Transaction Platform
- ✓ Tested Bing Business Portal, MSN offers, and Loyalty service with 64 end to end tests, fixed 30 bugs.
- ✓ Designed and created automation for CAP (Customer Assistance Portal) that was used by on-call support in Windows, MSN, and Xbox daily.
- ✓ Found and helped resolve 100 critical, performances and other product bugs. Developed WPF UI automation framework with 70% test code coverage.

- ✓ Developed verification tools for production data migration from Dynamics CRM Online from GFS servers to Windows Azure cloud and discovered more than 30 customers facing bugs.

### **Global Logic – Senior Software Development Engineer (2010 – 2011)**

The first day of the job was a business trip to Boston for training on the surgical device in [Medtronic](#) laboratory. With almost no documentation reverse engineered source code on [O-arm](#) 3D X-ray imaging system. Over 14 months created new network protocol, log analyzer tools for it and verified it in the laboratory on the device.

- ✓ Drove project for stability improvements in O-arm devices with stable TCP/IP network framework.
- ✓ Reduced time for lab testing and save money for business trips to Boston.
- ✓ Designed convenient web-based tool for evaluating log files produced by the O-Arm System with MVS and IAS applications that increased support team productivity by a few hours a day and reduced time for debugging problems on remote devices with easy integration to Excel.
- ✓ Oversaw communication framework with keep-alive restore connection and XML system message validation. Improved application lifetime and network firmness for each device in the system.
- ✓ Created hardware emulator to provide a development setting that allowed offshore development teams to work independently from anywhere in the world.

### **TEAM International – Senior Software Development Engineer (2008 – 2010)**

Solicited and consulted companies around the globe to acquire new businesses as a consultant first and then remote offshore team in Ukraine. Involved extensive travel with new projects in publishing, recruitment, and e-commerce.

- ✓ Assembled brand new build system and skilled team to use it across all projects.
- ✓ Consulted handy online application to manage the recruitment lifecycle called [Talents](#).
- ✓ Resolved internationalisation, extensibility and scalability problems, and implementation used in [IBM](#), [Yorkshire Water Services](#), and Hampton's for recruitment agencies.
- ✓ Analyzed complex multi-stage hiring process and workflows for IBM, Siemens, and Vodafone.
- ✓ Developed portal to link with external servers via web services for features like respond to jobs, submit candidates, reporting, and own branding on all elements of the recruiting agency websites.
- ✓ Made e-publishing platform for [Apex CoVantage](#) to speed up OCR for publishers with 5K users.

### **Altron – Lead Software Development Engineer (2005 – 2008)**

Started working full-time while studying bachelor's degree. After three years led start-up team of 5 to develop projects for Ministry of Internal Affairs of Ukraine. Organized company recruiting process and trained & mentored employees to establish frontend and backend applications used for phone station certifications and surveillance. Implemented frameworks for data extracting from GSM and CDMA stations and presented in a user-friendly format for security team personnel.

- ✓ Wrote project for first national CDMA operator in Odessa to create unique message protocols for Lucent/Alcatel phone station. Conducted software for [Intertelecom](#) company to increase coverage from 5 to 16 regions of Ukraine.
- ✓ Performed certifications for three stations in Kiev and Vinnytsia for [Utel](#) (UMTS/WCDMA) and successfully onboard biggest mobile service providers in Ukraine and Russia - [MTS](#).
- ✓ Provided mentorship to a team of five, built architecture and implementation for the core encoding/decoding framework in international phone exchange stations like [Huawei](#), [Ericsson](#), and [Lucent](#).
- ✓ Conducted client/server program (Switch Node) to emulate TCP/IP and UDP traffic from telephone stations and to follow SMS or voice network protocol messages. It was a multithreaded tool with internal finite state machine with command processor.

### **Personal Interests & Community**

- ✓ Element 8 Angels volunteer fellow – due diligence for early-stage tech startups in sustainability space
- ✓ Blog about software development and entrepreneurship: <http://agafonovslava.com>