

Contacts

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Education

Samara State Aerospace University (SSAU) (September 2005 - February 2011)

Automation engineer

Technical summary

Programming languages: C++ (03, 11, ...), Python (asyncio), Rust, Haskell, Go
Paradigms: OOP, Structured programming, Functional programming, Event-driven programming
Software design: UML, patterns (GRASP, GoF)
Development environment: POSIX shell and utilities (GNU, Cygwin), VisualStudio (debugging), Sysinternals tools, gdb, Wireshark, nmap
Version Control: Git, Subversion
Databases: SQLite
Languages: Russian (native), English (technical reading, intermediate conversational level)
Additional: multithreading, coroutines, IPC, TCP/IP, network sockets, REST (HTTP), cross-platform development

Work experience

Software developer at Acronis (October 2011 - Now)

Development within a large team Acronis Backup starting version 11 and until now.

- Software infrastructure development and support. Maintained modules for reporting and alerting. Investigation and improvements for asynchronous evaluations library.
- Participation in porting of storage server to linux. Work on platform related bugs, support PAM authentication
- Full responsibility (development, maintenance, new features planning, reviewing) for backup content indexation module.
- Development Backup&Recovery related business logic.
- Participation in REST interface planning and implementation using Python, Go.
- Business logic performance problems investigation and handling. Implementation of the metadata caching subsystem.

- Communications with support department. Assistance on the customer side: investigation and fixes for complicated issues. Crash dumps, logs analysis.

Technologies: C++03/11, Python, Go, SQLite, PAM, Subversion, Git, JIRA, big number of internal technologies.

Software developer at [Webzavod](#) (April 2011 - October 2011)

Development in a small team, project for SIP-telephony.

Implementation of addressbook module based on SQLite, template library for JavaScript/C++ bindings generation; interaction with 3G modem by AT commands; GUI development with HTTP/JavaScript rendered in Webkit; investigation of authorization in Wi-Fi networks using SIM-card.

Technologies: C++, JavaScript(JQuery), Webkit/JavaScriptCore, SIP, Darcs, Redmine

Techician/Engineer at [SMS-Automation](#) (October 2009 - May 2011)

Working as a single developer.

- Application for configuration and diagnostics for a project under Siemens PLC. Implementation of TCP/IP support, generalization for different projects over xml configuration files, signal approximation, refactoring.
Technologies: C++, MFC, Siemens MPI, MPI/IE
- Data transfer and conversion server for telemechanic systems (university diploma project). Design and implementation of a modular server that collects and provides telemechanic data by various protocols. Implemented Modbus client/server library and wrappers on DNP3, OPC and SNMP third-party libraries. GUI configurators written on Qt4. Project tested and presented as a diploma project.
Technologies: C++, Boost, Qt4, CMake, Subversion, OPC DA, DNP3, Modbus, SNMP
- Adjusting and testing configurations for telemetric devices, sensors.

QA tester at [Mercury Development](#) (October 2007 - May 2008)

Testing software for SAN (iSCSI, FibreChannel) under Windows/MacOS X. Writing test cases, articles for KB. Bugtracking with Bugzilla.