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Summary

I am a Software Engineer and Team Leader with the focus on Java, Linux, agile software development processes and teamwork. I am looking for a new Senior Software Engineer or Team Leader position in Development or R&D.

I also have an extensive project management experience, including teams distributed across several countries, time zones, companies. Working as a Project manager, I have been connecting business and product owners to the technical teams.

A background in different business domains and technologies allows me to design and architecture systems better. I am fond of technology in general and try to keep up with the fresh ideas, using them in the least-risky manner where possible on the project. Business owner experience allows me to effectively manage teams and organizational structures, these being development-only as well as mixed teams.

I enjoy tasks and challenges which do not have immediate answer, curiosity drives me into learning new areas and approaches.

Employment

Head of Technology, Co-Founder at Logicify (January 2011 - Present)

Logicify is a software offshore development firm in Kherson, Ukraine. It has 4-5 separate development teams, now totaling around 30 people. I worked on projects for all our 10+ customers over my years in Logicify. Here are some of my responsibility and achievement records:

Engineering:
- Implementation of the rich and comprehensive set of REST APIs for the modern social networking application. Actual development of the API code in Node, MongoDB, Redis (cache and geo-matching engine), definition and versioning of the APIs, managing and measuring load capacity in production with BlazeMeter tests; all runs in Heroku.Successfully transferred work over this project to one of Logicify engineers after some 6 months of nice development.
- Working on a Node/Java REST API service set for a large School Software System. The services were designed to consume legacy and expose new APIs (after aggregation/security/modification/caching) for the new gen web application (ext.js, then Angular). Technology-wise, the solution included multiple layers of abstracting the APIs (since its main goal was slow and seamless transfer to the all-new backend), and multiple layers of caching, which used MongoDB and Memcached/Redis. Eventually the migration happened, although not a seamless one. As a side effect I accomplished introducing the team to TDD and extensive testing in Node, which resulted in a series of talks in local tech community. The process used there was a kind of Scrum-derived one.
- Creation of the fault-tolerant high-load address cleaning server in Python/Java with the use of USPS AMS address cleaning API. The service exposed was a Java-based REST, XML and SOAP API for the address cleaning facilities of the server utilizing the proprietary and locked library accessed via Python extension. Java part included some primitive load balancing and extensive multi-tasking for maximized system throughput. Since the tight deadlines, we used Scrumban-like process with virtual board built with Trello and a traditional issue tracker.

- Design and core development of three PostgreSQL/Hibernate/Spring/Wicket applications for minors' education process support on the base of Brix CMS and jQuery
- Reverse-engineering, specification and re-implementation in Java/Wicket of the complex legacy system for marine insurance. It was written in server-side JavaScript with the endemic Helma technology. Main challenge was the lack of the business domain knowledge
- Development of the custom Google Web Toolkit rich components: date and interval selector, rich input masked textbox, lightweight but feature-rich treetable, Gantt chart. Migration plan of the ATOLL oil extraction companies management system to the new component library.

Management:
- General control and management of all the team
- Performing project kick-off sequence – setting up development environment, architecture, deployment and development processes, directly leading it (in code) usually for around 2 months, passing direct leadership to a senior developer.
- Evaluation of the architecture, technical solutions and most complex problems
- Resource and team load management at a company level and project level
- Growing the team with the help of in-company trainings, careful work with the candidates, internship program
- Estimation and proving that estimations on the new projects
- Provision and production of the proof-of-concept prototypes in a fast-paced manner
- Setup and support of the company-wide best practices on general technical topics (configuration management, source control, issue management, conflict resolution, deploying, planning and estimation, etc.)
- Sustaining work and gathering knowledge in different domains: telecom, insurance, education, oil industry, etc.

Previous Experience

Team Leader, Software Engineer at DataArt (April 2007-January 2011)Software Engineer at Flextronics Design Ukraine (Aricent) (2006 – 2007)Software Engineer at Paradigma Software (2005-2006)

At DataArt I worked on a couple of projects in educational, gambling, client screening and other domains. For the development I used Java, .NET and Python languages. I
- Managed outsourced team within the larger customers' management scheme
- Performed rapid prototyping with a team of 3 developers for a startup company, meeting their tight deadlines from the first proof of concept to 1-million people client capable production
- For that company, after they received funding, set up effective development/QA processes for distributed teams and followed those processes, adopting TRAC, JIRA and other tracking tools
- Designed and developed custom framework and core features of the desktop-on-the-web cloud-based educational system with Google Web Toolkit (GWT) and Java stack. The system was built over the idea of reactive/event programming on the client side and service bus on the service side. It included a revolutionary webtop-type interface with separate windows acting as applications in browser.
- Implemented a custom solution for displaying large amount of visual data on the Google Maps with GWT. At the same project, implemented the specific BigData geo-partitioning algorithm, which is referenced in patent http://www.google.com/patents/US20120244929
- Led a team of 5 engineers, created a fully-blown 'Calendar' module for this system, including effective custom components for rendering and sophisticated sharing/collision

search/scheduling backend logic. Basically, many of its use cases are similar to Google Calendar (views, sharing, repeats, organizational calendars, conflict management, etc.)
- Implemented a new Windows Forms .Net interface and the Java EE server for the complex personal data mining software

At Flextronics, I was responsible for:
- Producing a quality code, 100% test coverage for all the side and rare cases. The software itself was the configurator for the smart medical injection device.
- Visual design and implementation of all the aspects of the web-based cellular network corrupted log record editor with cross-browser javascript, JSP and Spring
- Working in an offshore team with remote customers

During my work at Paradigma I worked on Valentina DB series of products, which is a custom niche database targeted at quick integration and speed of simple queries. My responsibilities were:
- Writing cross-platform code and tests for Database engine access library in C++, CppUnit
- Implementing a full-scale extension for PHP providing access to the Valentina features in a way semantically compatible with MySQL
- Using C++ and Adaptive Communicative Environment (ACE, framework for cross-platform C++ servers) implementing a new binary client-server protocol for the Valentina client library to communicate to the Valentina DBMS server
- Working in a distributed team with no centralized office, and thus I was forced to develop self-motivation and perseverance

Education

Master's degree in Informational Technologies from Kherson State University. Faculty of Physics, Math and Informatics. Software engineer.

Interest and hobbies

My greatest interest is technology, computers specifically. I do some android programming as a hobby, my GitHub profile is https://github.com/lexaux. The software I decided to write is a pothole scanner, which would allow for creation of road surface quality map and detection of individual road areas urging for a repair, using a community-driven data collection.

Apart from this, I am a fan of Linux operating system family, though appear as a user only to the community. My favorite distributive is an Archlinux on desktop. Mine Archlinux is 3+ years old, and has outlasted 3 different laptops.

I enjoy retro-style film photography, from exposure calculation to wet printing. To me, photography fires up creativity and accuracy. Speaking of the active style, I like multi-day mountain treks, which gives a great relief from the challenging nature of my work. Culture tourism is my other favorite, as it gives chances to meet different people from all around world.