

- 6+ years of broad programming experience in diverse industries. Strong skills in JavaScript (client and node.js), CSS, HTML and derived preprocessors, C, C++ and Linux shell. Experience with PHP, Java, Python and Lua.
- Full-stack mobile and desktop web application development and web design experience. Expertise in Node.js and relevant technology stack components (Redis, MongoDB, Elasticsearch).
- Strong Linux programming experience. Good understanding of Linux networking stack, IPC, device drivers, threaded applications, memory management, and kernel internals. Experience with Freescale Coldfire and Altera NIOS II embedded architectures.
- Experience in managing build systems and procedure. Understanding of version control and configuration management systems. Knowledge of software engineering methodologies and processes.
- Some experience in devops and system administration.
- Held leadership roles in academic and professional settings. Participated in tech lead roles for small teams. Exposure to customer communication, requirement elicitation, and short-term project timeline management.

## Experience

### **Senior Software Engineer - Architecture**

*November 2012 - Present*

### **Branding Brand**

- Designed, developed and maintained key components of internal software architecture powering mobile e-commerce websites and apps for world leading retailers.
- Designed various internal tools and frameworks for schema validation, analytics, error tracing/tracking, and performance auditing.
- Worked with teams developing, maintaining and improving front-end and back-end components for various e-commerce platforms.
- Gained expertise with Node.js and supporting software tools and frameworks.
- Gained experience in working with various web-scale software principles and associated software stacks.

### **Embedded Software Engineer - Product Development**

*May 2008 - December 2010 (internship)*

*December 2010 - November 2012 (full time)*

### **Ansaldo STS**

- Developed Linux-based embedded safety-critical application and operating system software.
- Developed a robust web-based maintenance software client and a C/Lua-based embedded server backend on an MMU-less embedded platform.
- Created and maintained a desktop-based maintenance software suite.
- Authored and edited software requirements and other software lifecycle documentation.
- Performed functionality testing and assisted various verification teams.
- Assisted in administering and maintaining a cluster of Linux-based development servers.
- Gained experience in software engineering methodology and lifecycle.

## Education

### **Bachelor of Science in Computer Science**

**University of Pittsburgh**

*December 2010*

- Completed 2 project-based software engineering courses in which I held project manager and technical lead positions.
- Relevant Coursework: Human Factors In System Design, Structure Of Programming Languages, Web Applications Programming, Computer Architecture, Computer Graphics, Software Engineering, Immersive Software Engineering.

## Achievements

- Finmeccanica FLIP program - participant
- INCOSE Three Rivers Chapter - board member
- National Society of Collegiate Scholars - member
- Lambda Sigma service fraternity – vice president
- Andrew's Leap 2006 at Carnegie Mellon – member
- North Allegheny Programming Team – president

## Miscellaneous

- Fluent speaker of English and Russian.
- Conversational speaker of German.