

VADIM
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developer

Notable experience

Successful¹ startups

«Tretiy kran» <https://3voda.ru/> (2017 - 2020)

I was fully responsible for all electronics and software..

«INSYTE Electronics» <https://insyte.ru/> (2003 – 2008)

It started from my coursework on data transfer over power line. In 2007-2008 assisted in the work directly. Insisted on shift to «honest» ModBus. Elicited idempotent implementation of the function. Developed several devices of «LanDrive2» line. Gave a kick-start to OEM manufacturing, completed documentation, test beds. Provided technical support.

Not so successful startups

«Magicscope» <https://magicscope.com> (since 2009)

Read here for more information — https://perm.aif.ru/society/people/youtube_otdyhaet_permyaki_sozdali_novuyu_mediaplatformu

Made by me — software design, everything concerning media server and video translation, partly back-end, all front-end and mobile application...

Team work

«PARMA Technologies Group» <https://parma.ru/> (2016 –2017)

Web, enterprise, full stack. Did what I was told. Took part in a dozen of projects. «To the Far East» (На Дальний восток) is one of officially mentioned. Others of the same level.

«Regional Center of Automation» (2008 – 2009)

Tried to create own development shop with colleagues. We were engaged in video surveillance, vibration monitoring, industrial automation, some web.

Teaching

PSIAC <http://psiacy.ru/> (2009 – 2013)

Senior teacher of IIT department. Gave lectures and lab sessions in multimedia technologies and physics.

PSTU <https://pstu.ru/> (2004 - 2007)

Teaching assistant of ITAS department. Gave lab sessions in various computer science disciplines, took part in faculty RD and was at work with Russian-Austrian feildbus² technology center.

¹survived and continue to exist

²then it was not mainstream, but now it's called «internet of things»

I apply this

Ectronics: First used PCAD, in mid-2000 switched to Eagle, tempted by platform-independence and rich component library. Now mostly use EasyEDA. Acquainted with KiCAD. It goes without saying that I use oscillograph, solderer, rasp. Usually make solutions on STM32, previously AVR, analog devices is also not a problem.

Embedded software: C, C++, BASH. As IDE I used Code::Blocks, Eclipse, Keil uVision at different times. Had occasion to use IAR. Now hooked on Clion.

System software: Linux (mostly Debian), and everything that follows(C, C++, BASH). Can build distribution for custom hardware from mud and straw. Had some positive experience in writing device drivers, bootloader.

Application software: I still haven't made up my mind what technology is more suitable for quick desktop application developing. Used Delphi/Kylix/Lazarus, Electron. Now trying Qt.

Web/backend: Java, Spring, Spring boot. IDE — earlier — Eclipse, now — IntelliJ IDEA.

Web/frontend: JavaScript, Angular2+. I also have experience working with GWT and Flex. IDE — earlier — Eclipse, now — IntelliJ IDEA, WebStorm.

Mobile apps: I usually use something for rapid development: Flex / AIR, Processing. I have experience with Android studio and React Native. I usually write mobile applications as a fast and cheap interface with stom devices.

DevOps: I build docker containers for web applications, Debian packages and repositories for embedded solutions. I use Maven and CMake for assembly. Have experience working with Jenkins, a little with Ansible (facts, playbooks). I prefer BASH where normal people use Python.

Хранилища: SQLite, MySQL, MongoDB, ElasticSearch.

Тесты: JUnit, Mockito, Catch2

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