

# VITALY DOMNIKOV

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Established Full-Stack Software Engineer with versatile experience and passion to work with new technologies and R&D. Love Rust embedded and OSS/OSH movement.

## ♥ OPEN SOURCE PROJECTS

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- Rust HAL for STM32G0 MCUs: <https://github.com/stm32-rs/stm32g0xx-hal>
- μLA: Micro Logic Analyzer for RP2040: <https://github.com/dotcypress/ula>
- uConsole RP2040 Expansion Card: <https://github.com/dotcypress/upico>
- Key-Value Store intended to use in resource-constrained environments: <https://github.com/dotcypress/kvs>
- Embedded serial shell: <https://github.com/dotcypress/ushell>
- Other projects: <https://github.com/dotcypress>

## 👤 EXPERIENCE

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**Tempus Ex Remote** / California, USA

Apr 2020 – Present

*Senior Software Engineer*

- Project: NDA
- Description: Merging sports, video, and data with innovation and accessibility way.
- Technologies: Rust, Go, TypeScript, GraphQL, Terraform, AWS, Jira.
- Implemented various tools and applications from ground up, ensuring high reliability, scalability and security standards are met.
- Designed and developed complex, highly scalable, distributed applications and systems that form the backbone of our cloud AV platform.
- Improved deployment process resiliency and speed by utilizing AWS CF and Terraform.
- Collaborated with the team on architecture and infrastructure choices, as well as data pipelines.

**Kitcast** California, USA

Sep 2016 – Apr 2020

*CTO & Cofounder*

- Project: Kitcast
- Description: Professional Quality Digital Signage Software
- Technologies: JavaScript, GraphQL, Node.js, Swift, Java, Git
- Owned the end-to-end design and implementation for all features, including system design and technology stack.
- Drove the adoption of new technologies, system designs and best practices in code health, testing, observability, and service maintainability across team.

**Silicon Valley Insight** Remote

Jun 2015 – Jan 2018

*Tech lead*

- Architected and executed new products and projects, including mobile (Android, iOS), Slack/Telegram chat bots and web front-end using React, REST API backend services using Node.js, GraphQL, koa.js.
- Drove a company-wide development efforts including managing and mentoring all developers, initiating and supervising company development practices.

**GoSave/Tapru** Kiev, Ukraine

Jan 2014 – Mar 2015

*Front-End Architect*

- Project: GoSaveSDK
- Description: Android hybrid mobile SDK
- Technologies: Java, JavaScript, CSS

**Universal Mind** Kiev, Ukraine

Mar 2013 – Jan 2014

*Senior Technical Architect*

- Project: Mobile Accord
- Description: Mobile optimixed sites for user votes
- Technologies: .NET, ASP.NET MVC, Knockout.js, Require.js
- Project: R&D
- Description: Few projects related to dev research
- Technologies: Node.js, CoffeeScript

**Ciklum** Kiev, Ukraine

Dec 2009 – Feb 2013

*Senior Software engineer*

- Project: RicardoApp
- Description: Table app for ricardo.ch
- Technologies: Windows 8, WinRT
- Project: myMWC
- Description: Mobile guide for mobileworldcongress.com
- Technologies: Windows Phone 7
- Project: ConnEyes
- Description: Backend for mobile social network
- Technologies: .NET, MongoDB, Asp.Net MVC
- Project: BackupZone
- Description: Online backup system
- Technologies: .NET, MongoDB, MSSQL, Asp.Net MVC
- Project: Hummba
- Description: Android client for Hummba social and travel network
- Technologies: Java, Eclipse, Google maps, REST

**WaveSoft** Remote

Apr 2009 – Dec 2009

*Software engineer*

- Project: Online vacations planner tool
- Description: Ajax enable web site for planning vacations and holidays
- Technologies: C, .NET 3.0, MS-SQL, Ajax, ASP.NET 3.0

**UpScale Soft** Rostov-na-Donu, Russia

Dec 2007 – Apr 2009

*Software engineer*

- Project: VoiceDirect
- Description: Voice Direct and E-mail direct advertisement engines
- Technologies: C, .NET 2.0, MS-SQL, WinForms, ADO.NET, ASP.NET 2.0

**LogicExplorers** Saint Petersburg, Russia

Sep 2005 – Nov 2007

*Software engineer*

- Project: AltoSoft Insight
- Description: AltoSoft Insight ([www.altosoft.com](http://www.altosoft.com)), expands on the best of business intelligence (BI) and business activity monitoring (BAM) technologies and is designed for ease of implementation and ease of use
- Technologies: C, .NET Remoting, ADO.NET, WinForms, MS SQL Server, ASP.NET, AJAX, XML, WMI, LDAP

**IntelSys** Saint Petersburg, Russia

Feb 2005 – Sep 2005

*Software engineer*

- Project: Synthesis of North American Flora
- Description: Floristic database that includes plant names, characteristics, distributions, origins and other data, accessible in a number of ways including flexible queries
- Technologies: C, ADO.NET, WinForms, MS SQL Server

## SKILLS

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- Programming Languages: Rust, Go, JavaScript, Scala, Python, Java
- Platform: \*nix/Windows/Embedded

## MISCELLANEOUS

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- GitHub: <https://github.com/dotcypress>
- Languages: English, Ukrainian, Russian