Tomasz Budrewicz

Full-stack & embedded engineer with 15 years of experience (over 12 years commercial)

Specialized in web technologies, based on .NET Core and Typescript.
For private projects mainly using Node and C.
Working for 6 companies so far, including banking, security systems, spy gadgets and medical equipment.
Oriented at good design patterns and Test Driven Development.
Electronic lover since childhood. Started programming at high school and can't stop since that time :)

- 507-293-714
- wendro@wp.pl
- born in '86
- Warsaw, Poland

Core skills

Back-end

- C# .NET Core, ASP.NET MVC
- Node.js with Typescript
- PHP
- Azure basics

Front-end

- Typescript, Javascript (ES6+)
- React.ts
- Angular 2+
- jQuery
- HTML, CSS
- Blazor basics

Embedded

- C/C++ for STM32, AVR and PIC
- Raspberry Pi; IoT
- PCB and 3D print design

General

- Bash, PowerShell, Python
- Windows, Linux
- Jenkins, TeamCity, Octopus

Known technologies and others

- TDD, DDD
- CQRS, DI, ES
- SOLID, KISS, DRY
- MySQL, MsSQL, EntityFramework, MongoDB, Firebase
- REST, SOAP, CQRS Bus, Sockets
- Redux, MobX, RxJS
- JWT, OAuth
- Regex, Linq
- NPM, Webpack, Parcel, lint
- xUnit, Moq, Shoudly, jest, moq.ts, cypress
- SASS, Bootstrap, Material-UI

Work history

- 01.2019 - till now - **Dentsu Aegis Network** (Software house)
  .NET Technical Leader

  Tasks:

  - Tech Leader stuff: tasks sharing, .NET and Javascript team mentoring, etc.
  - Taking care of full system architecture (.NET [Core], Typescript React)
  - *more details at appendix #A3 (at the end of this document)*

- 05.2018 - 12.2018 - **Societe Generale** (Bank)
  C#.NET Core Developer

  Tasks:

  - Banking system maintenance (C#.NET Core)
  - *more details at appendix #A2 (at the end of this document)*

- 10.2017 - 04.2018 - **GogoApps** (Web development)
  Full-stack Node.ts and C#.NET Developer

  Projects:

  - Kind of Uber for Heavy Trucks (Node with Typescript)
  - Cooling system management panel (React; Node with Typescript)
  - *more details at appendix #A1 (at the end of this document)*

- 09.2015 - 09.2016 - **Medmia** (Medical equipment)
  C/C++ Developer

  Tasks:

  - Infusion pumps developing (C/C++; STM32)

- 03.2013 - 06.2015 - **Omtech** (Security devices)
  Designer and C, C# programmer

Projects:

- GPS tracking system (C; AVR8)
- Security system (C; STM32)
- Lot's of serviceman tools (C#, WinForms)

- 03.2008 - 09.2012 - **SpecTeam** (Spying gadgets)
  Embedded C and PHP Developer

  Projects:

  - Infinite range spying cameras system (Python, Bash)
  - Wireless cameras web receiver (PHP, jQuery)
  - Many proof-of-concept prototypes (C; AVR, PIC)

Best non commercial projects

- web: www.github.com/tBlabs
- embedded: www.projekty.specteam.pl/tBlabs

Education

- 03.2004 - 09.2008 - **Polytechnic in Białystok**
- 02.2017 - till now - participant in many workshops (also as a trainer)

Languages

- English (B2/C1)
- Polish (native)

Programs knowledge

Visual Studio [Code] (+Vim), Resharper, Jenkins, TeamCity, Octopus, SoapUI, Postman, Eclipse, GIT, SVN, FreeCAD, GIMP, Jira, Code Collaborator & A lot of embedded stuff.

About me

TDD & design patterns lover.
Participant of many programmers' meetings (WarsawJS, WG.NET, etc.). Speaker and workshops trainer.
Drive-license A & B.
Hobbies: Programming & electronic design; Swimming and [motor]bike riding; Chess.

More at

- Linkedin: www.linkedin.com/in/tomasz-budrewicz-b5066ab2/
- My prelections: *"Raspberry Pi with Node".* www.youtube.com/watch?v=b54ivdZ4zfc,

"Dependency Injection Containers in Typescript." www.youtube.com/watch?v=KmwGes5yo98

- My embedded inventions: www.projekty.specteam.pl/tBlabs
- Web projects: www.github.com/tBlabs

Appendix #A3

Project details @ Dentsu Aegis Network

Refactor and optimization of existing systems to newer stack: .NET Core and Typescript.

Core of the system was a web api for managing users and their resources.

- System architecture based on CQRS
- Existing databases safe refactor
- Test driven development (high unit tests coverage) - Development of frontend components using Typescript and IoC - e2e automatic tests (cypress)

Technologies used: C#, .Net 4.5, .Net Core 3.1, Typescript 3.8, React 16, MsSql, Entity Framework, Frontend, Backend, TDD, XUnit, cypress, inversify

Appendix #A2

Project details @ Societe Generale

Application for banking transactions in C# .NET Core. - Design based on MVC and few independent CRON processes. - Developed unit and integration tests for components. - On a client side: visual designer for process flow

Technologies used: C#, .Net Core 2, MsSql, Entity Framework, Backend, TDD, XUnit, Quartz

Appendix #A1

Project details @ Gogoapps

Kind of Uber for a heavy trucks. App written in Node with Typescript and React. - Design based on CQRS, REST API, Socket.io and MongoDb, - Development driven by unit and e2e tests, - Two clients: web and mobile (android)

Technologies used: Node, Typescript, MongoDb, SocketIO, inversify, React, Backend, Frontend, Push notifications

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