

---

## EXPERIENCE

### Solutions Architect, [NeuroSYS](#)

05.2020 - 02.2021, contract role in Wrocław, Poland

Hired to create a completely new, innovative AI-based solution for the medical research labs and big pharma industry. Responsible for outlining business and technical goals, architecture design and work orchestration across two teams (scientists and software engineers) in order to deliver the final product. Also, a regular code contributor.

- [Project Erra](#) - AI-powered data analysis for industrial microbiology labs.

### Senior Software Engineer, [Global Pricing Innovations](#)

06.2019 - 05.2020, contract role in London, United Kingdom

Contractor hired to design and implement the cloud-focused architecture of the system that automates fetching, processing and updating medicine prices data from the markets around the world. Deeply involved in all related technical decisions, business analysis, and domain modeling. Ultimately the solution proved to reach its goals of saving on average ~60% of the analysts team's time effort while largely improving the data accuracy and allowing the client to increase data coverage with limited additional effort.

- Data processing part of [GPI pulse](#) - data-driven pricing and market access insights
- [BartScript](#) - Domain Specific Language, along with interpreter and execution environment, used for processing and inserting data into [GPI pulse](#).

### Senior Software Engineer, [Commonwealth Bank of Australia](#)

09.2017 - 02.2019, contract role in Sydney, Australia

Senior engineer working primarily on the microservices-driven, dotnet-based backend architecture in Australia's largest financial institution. Across 18 months delivering code for several business critical projects (from fields of life insurance and underwriting, documents digitization and investment management) as well as for the internally used tools and libraries (mostly dotnet core and nodejs). In case of need - also dealing with frontend stories (React+Redux).

- [MyApply](#) - Web application for advisers, dedicated for handling the entire process of the life insurance products creation for their clients.
- [Colonial First State mobile app](#) - app for superannuation info and management.
- Platform digitizing official correspondence with the clients.

### Lead Software Engineer, [NeuroSYS](#)

06.2013 - 08.2017, permanent role in Wrocław, Poland

Responsible for choosing the right technology, coding strategy and managing the team to maintain efficient and clean, readable code. Technical leader and senior engineer working on projects built for external clients and company's products.

- [Vario](#) - Design (and implementation) of the dynamic web rendering engine with a custom meta-language for describing UI elements and their integrations.
- [PureLifeStyle](#) - Diet and fitness tracking system for personal trainers.
- Documents repository and sharing platform for Polish Ministry of Foreign Affairs.
- Advanced ERP + CRM SAAS system dedicated for the printing industry.

---

## CONTACT

Email: [bartosz@lenar.dev](mailto:bartosz@lenar.dev)

Website & blog: [lenar.dev](https://lenar.dev)

Twitter: [@bartoszlennar](https://twitter.com/bartoszlennar)

GitHub: [bartoszlennar](https://github.com/bartoszlennar)

LinkedIn: [bartoszlennar](https://www.linkedin.com/in/bartoszlennar)

---

## SKILLS

### .NET software engineer:

Strong senior level. Microsoft Certified Professional. I've been using .NET from the beginning of my career and I'm able to deliver reliable, secure and scalable code in the latest Microsoft technologies. I created [Validot](#) - a library with features similar to FluentValidation (current de facto standard in the dotnet world), but focusing on the performance and low allocation I made it about ~2.5x faster while consuming ~3.5x less memory.

### JS software engineer:

I've been developing primarily web apps and always had contact with JS frameworks (mostly react). Although I'm more interested in the backend side of the story (nodejs), some of my assignments were purely frontend. For instance, I'm the initial designer of the react-based rendering engine for the [Vario](#) project, which required inventing custom meta-language representing UI elements, their content, behavior and integrations.

### Solutions Architect:

I designed all of the projects listed for NeuroSYS (PL) and Global Pricing Innovations (UK). Additionally, I contributed my code and ideas to the backend architecture of Australia's largest bank. My work experience includes creating both microservices-shaped, cloud-focused, distributed systems as well as desktop apps and library-like products (e.g. [Validot](#) and [Project Erra](#)).

## Software Engineer, [PIRIOS](#)

06.2011 - 02.2013, permanent role in Kraków, Poland

Member of the core team responsible for developing the main product and several related systems. Rebuilt from scratch company's flagship product in the latest technologies. Later - team leader, responsible for recruiting developers and reviewing their code.

- [Contactis Emergency](#) - complex systems for utilities industry companies including emergency call centers.
- Internal server and infrastructure tools.

## Software Engineer, short-term contracts:

- 4 months in 2013 for [PGS Software](#) in Wrocław, Poland - maintaining [euroflorist.com](#) - online flowers store and delivery platform.
- 3 months in 2011 in Kraków, Poland - creating new modules to the existing SharePoint-based application dedicated to managing workflow.
- 2 months (internship) in 2010 for PIRIOS in Kraków, Poland - watchdog-type application proof-of-concept.

---

## OTHER PROJECTS

### Open source

- [Validot](#) - Tiny lib for advanced model validation. With performance in mind.
  - Blogpost on [lenar.dev](#): [Validator's performance explained](#)

### Independent contractor

- Printer drivers with integrated OCR and content recognition.
- Rally scores manager.

---

## CERTIFICATION

### Microsoft

- [Microsoft Certified: Azure Fundamentals](#), earned in 2020
- [Microsoft Certified Solutions Developer: App Builder](#), earned in 2016
- [Microsoft Certified Solutions Associate: Web Applications](#), earned in 2016

---

## EDUCATION

### Master of Science, Computer Science

2012-2013, [Wrocław University of Technology](#) in Wrocław, Poland

- Specialization: Security and Reliability of IT systems.

### Bachelor of Engineering, Applied Computer Science

2008-2011, [AGH University of Science and Technology](#) in Kraków, Poland

- Specialization: Databases and Software Architectures.

### Devops:

I've never been a full-time devops, however I'm able to design the strategy and construct a complete pipeline, including the build system, CI and CD, making as much of these systems code-related and platform-independent as possible. My approach can be previewed in the repos of the [Validot](#) project or my blog [lenar.dev](#).

### Manager and team leader:

Most of my time in NeuroSYS (PL) I was a leader of a small team (up to 5 members), responsible for breaking business goals into technical stories that the engineering team can deal with.

### Knowledge sharer:

I always very actively share my knowledge; both internally (pair programming, upskill sessions and presentations) and publicly, during community events and conferences. Before my time in Australia and the UK, I was an active member within the PL community with a [history](#) of public appearances. Now, after 10 years in the IT industry, I decided to start writing a tech blog: [lenar.dev](#).

---

## RECOMMENDATIONS

All recommendations that I received from my clients, managers and colleagues are listed on my [LinkedIn profile](#).