

## **Bartosz Kalinowski**

kelostrada@gmail.com

+48880638886

<https://github.com/kelostrada>

### **PROFILE**

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Cheerful and highly motivated person with an ability to learn new technologies quickly. Elixir lover, appreciative of its beauty. Successfully implemented couple of web startup projects using Phoenix, handling tens of thousands users. Always optimistic and willing to try fresh approaches, recently amazed by Phoenix Live View which allowed him to create fast and flexible operator menus for physical machines. As a student has been one of the best graded at his institute, which has given him an opportunity to receive few scholarships. Experienced with objective and functional programming, also been a board member of a student algorithmic academic circle. Dropped the university before graduating to dive deeper into the professional career of functional programmer. Recently decided to finish his B.Sc. and in the process of doing so – expecting to complete in a few months.

### **PROFESSIONAL EXPERIENCE**

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#### **2018 - 2020 Elixir Engineer - GameCode**

Responsibilities:

- Working on Slot gaming machines for casinos – **Elixir, Phoenix Framework, Nerves**
- Implementation of game maths and logic backend side - **Elixir**
- Implementation of Operator Menu – something like CRM/Backoffice but each machine has its own – **Phoenix Live View**

#### **2015 - 2018 Programmer, backend – Geek Soft**

Responsibilities:

- Development of three projects involved with Forex and other finance-oriented products - **Elixir & Phoenix Framework, PostgreSQL**
- Handling Bitcoin payments by creating a product to connect to Bitcoin network and storing transactions – **Elixir, bitcoind, PostgreSQL**
- Implementing queues for stock and currency pairs quotes - **RabbitMQ**
- Scaling systems – **Docker, AWS Fargate**
- Creating backoffice solutions for products hence some Fullstack work – **AngularJS, Vue, Bootstrap**

#### **2014 - 2015 Programmer, backend REST developer – Geek Soft**

Responsibilities:

- ASP .NET REST Web API maintenance – **C# .NET, Entity Framework with Identity, SignalR, Autofac, SQL Server**
- Payments handling - **C# .NET**
- Automated Bitcoin deposits and withdrawals – **C#, Python, Node**
- Market Ticks gathering for MetaTrader - **C# .NET**

#### **2013 - 2014 Programmer, administrator and web developer - Cooling.pl**

Responsibilities:

- PHP integration between WF-Mag server and ecommerce hosting. Synchronizing **MSSQL** with **MySQL**
- Web development – **PHP, MySQL, jQuery, Ajax, XML, HTML**
- Creating own simple **MVC + ORM** framework for PHP 5.2

**2012 - 2014      Web developer and IT Support – Accenture**

Responsibilities:

- **HTML+CSS+JS** websites management
- Global mailing creation (2000+ people)
- General IT Support
- Managing **Excel, Word** and **PowerPoint** documents for other colleagues – correcting formatting, preparing templates and creating **macros** and **formulas** for Excel.

**2011 - 2014      Experience at university and freelancing smaller projects**

- Flutter – mobile app for detecting and storing images
- Symfony2 and Laravel for small finance apps
- Lots of bots for games or financial products written with PHP or C#.
- C# XNA – Couple of simple games (3D or isometric)

**2011              Java Programmer Internship – DECSOFT**

**2009              Office clerk - BRE Ubezpieczenia**

**2008              Activist - Amnesty International**

**EDUCATION**

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**2012 – 2016      Polish-Japanese Institute of Information Technology**

Computer Science (extramural)

**2008 – 2010      Warsaw University of Technology**

Mathematics (dropped for IT)

**FOREIGN LANGUAGES**

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- English – fluent / intermediate
- German – very basic

**ADDITIONAL INFORMATION AND INTERESTS**

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- Hobbyist card shop owner, Facebook page and community manager
- Digital Logic Circuits, 8-bit computers
- Conferences and teaching others – gave a talk on Elixir Meetup in Warsaw and would love to continue doing that
- Functional Programming
- Flutter – for mobile programming
- Algorithms and participating in algorithmic tournaments (C++)
- Grammars and automatas
- Creating bots, parsers, web crawlers
- Volleyball