# Afanasy Barbarov

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## WORK EXPERIENCE

**Solution Architect | Tech lead, Apaleo GmbH**                                    **Mar 2019 – Present**
- Implemented various features in the apaleo.com UI app and API that improved customer and developer experience.
- Advised other teams during API design sessions, collaborated with cross-functional teams to understand business requirements and translate them into technical specifications.
- Created apps for store.apaleo.com, showcasing the company's products and services.
- Migrated existing AWS infrastructure to Terraform to improve scalability and manageability.
- Prepared the product for NF525 certification
- Prepared IT infrastructure for SOC2 certification, working closely with the compliance team.
- Optimized Jenkins CI/CD builds, introduced new GitHub Actions builds.
- Contributed into establishing clear development processed by documenting internal services and tools and by creating runbooks for on-call shifts. Provided customer support during on-call shifts, troubleshooting and bugfixing issues.

**Senior Software Engineer, TekLabs**                                             **Aug 2013 – Mar 2019**
- Developed one of the biggest agricultural data exchange APIs in the Nordic region, facilitating seamless data exchange between multiple applications and improving overall business operations.
- Participated in API and protocol design sessions. Worked closely with other developers and stakeholders to design and implement a RESTful API that met business requirements and adhered to industry best practices.
- Developed both client and server-side of several projects, including Angular/.NET applications.
- Configured the end-to-end testing pipelines for different browsers, using Selenium, Docker, and Aerokube.
- Developed various UI widgets for Angular applications.
- Migrated several projects from ASP.NET MVC to .NET Core and helped other teams adopting it.
- Utilized React and Swagger to enhance the user interface and improve the API documentation of several applications.
- Introduced multiple ad-hoc libraries on the UI layer, utilizing vanilla JavaScript, CSS, and HTML.

**Software Engineer, ETNA Software**                                              **Jul 2012 – Jul 2013**
- Developed several analysis tools for financial data, including charts, grids, and pivot tables to provide robust and accurate financial data analysis.
- Developed a user-friendly dashboard for financial data analysis, providing easy access to critical information and enabling quick decision-making.
- Developed custom drawing and analytics functionality for a popular chart library (Infragistics).

**Software Engineer, TIRS**                                                       **Sep 2010 – Jul 2012**
- Developed device drivers for ARM processors
- Automated testing of electrical circuits of printed circuit boards.
- Designed and developed a software-defined radio (SDR) prototype based on the GNU Radio OSS project.

**Skills:** C#, .NET Core, Javascript, Typescript, AWS, Terraform, Docker, Kafka, Go, Angular, React, REST, JQuery, EF, Postgres, MSSQL, Selenium, KnockoutJS, HTML5, and CSS3.

## EDUCATION

**Master's Degree in Applied Mathematics and Computer Science**                   **2004 – 2009**
- Ivanovo State Power University (ISPU), Ivanovo, Russia

## LICENSES AND CERTIFICATIONS

- AWS Certified Solutions Architect – Professional                                 2021
- Developing ASP.NET MVC 4 Web Applications                                        2013
- Programming in HTML5 with Javascript                                             2012