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## PAVEL SOLOMATIN, PH.D.

### SENIOR SCIENTIFIC SOFTWARE ENGINEER

#### Personal Information:

Date of birth: 14.05.1991.  
Place of birth: Russia, Moscow.  
Citizenship: Russian.  
Permanent Residence: Leiden, the Netherlands.  
Languages: Russian(native), English(fluent), Dutch(B1).

#### Contacts:

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#### Education:

- **PhD Researcher(2014/09 – 2018/01)** at the Mathematical Institute, Leiden University, Leiden, The Netherlands. Title: “[Global Fields and Their L-functions](#)”. Graduated: 03/2021.
- **Master Degree(2012/09 – 2014/08)** in Pure Mathematics, National Research University ‘Higher School of Economics’, Moscow, Russia.
- **Bachelor Degree(2008/09 – 2012/08)** in Pure Mathematics, National Research University ‘Higher School of Economics’, Moscow, Russia.

#### Technology Stack:

- C# and [ASP.NET](#): Framework/Core/Net7;
- DevOps and Scripting Languages: Python, Powershell, Terraform;
- Cloud: Azure and Azure DevOps, AWS, Docker, K8s;
- CI/CD: Gitlab, TeamCity, Jenkins, Git, Perforce;
- Tools: Visual Studio, Postman, Wireshark, RabbitMQ, SQL, MongoDB, Burp Suite, Kali Linux;

#### Professional Experience:

- **Senior Scientific Software Engineer at Nielsen, Rotterdam, The Netherlands(2022/05 – present time);**

**Key responsibilities:** My expertise lies in backend software engineering with a strong emphasis on the mathematical components within application suites. This encompasses a wide range of responsibilities, such as analyzing, developing, evaluating, testing, and monitoring both the backend system and relevant infrastructure elements. I am also deeply involved in tasks like performance optimization and memory tuning. Furthermore, I actively contribute to shaping the application's architecture, especially its security aspects by playing a key role in preparing both the team and the product for internal and external security audits, offering valuable security assessments and guidelines to ensure robust protection. In addition to my technical roles, I also provide guidance and mentorship to less experienced engineers, supporting their growth and development in the field.

- **Software Engineer and Security Lead at Ortec, Zoetermeer, The Netherlands(2018/03 – 2022/05);**

**Key responsibilities:** Backend Software Engineering, DevSecOps and Security Lead in the OWS and Healthcare departments. In this multifaceted role, in addition to my regular engineering tasks, I devoted significant effort to strengthening our software development processes, implement best operations practices( for instance to comply with [ISO-27001](#) and [NEN 7510](#)), and fortify overall system security by developing and integrating various security tools and policies, such us: Whitesource for 3rd party packages management, automations for Azure security policy compliances, multiple custom tools and scripts(an example of such a tool is available in [my blog](#)). In addition to that I conducted and organised internal and external penetration testing.

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