

Marijonas Petruskas

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WORK EXPERIENCE

	Lithuanian Criminal Police Bureau Tech Lead, Division Manager	
February 2024 – present Vilnius, Lithuania	<ul style="list-style-type: none">◦ Deployed an on-prem Foundry stack and scaled it to 200+ users across multiple law enforcement agencies;◦ Integrated dozens of government data sources and developed investigative scenarios informed by historical modus operandi;◦ Led modernization and migration of legacy IT systems and databases to improve reliability and reduce technical debt;◦ Designed next-generation on-prem server and network architecture to meet security and performance requirements;◦ Developed LLM-based tools and pipelines for law enforcement use cases;◦ Since Sep 2025 – leading a technical team of 13 people.	
October 2023 – February 2024 Remote	Argyle Systems, Inc. Principal Software Engineer	<ul style="list-style-type: none">◦ Solved data clustering and classification problems using machine learning algorithms.
June 2022 – June 2023 Vilnius, Lithuania	Informacinių visuomenės plėtros komitetas Project Lead & Consultant	<ul style="list-style-type: none">◦ Developed vision and performed analysis for next-gen Digital Government Service Gateway;◦ Worked with existing vendors to improve software development lifecycle processes;◦ Moved source code and CI/CD from vendor systems to own on-premise platform;◦ Initiated and managed public procurement processes.
March 2019 – October 2021 London, United Kingdom	Palantir Forward Deployed Engineer, International Government	<ul style="list-style-type: none">◦ Worked on Lithuanian COVID-19 data-driven response & implemented a nationwide vaccine distribution algorithm;◦ Developed data integrations for multiple customers in Lithuanian government;◦ Contributed customer-specific features to the core product. <p>➤ JAVA FOUNDRY GOTHAM DATA INTEGRATIONS</p>
March 2017 – January 2019 Vilnius, Lithuania	Uber Senior Software Engineer, Foundations Platform	<ul style="list-style-type: none">◦ Developed a low-dependency computing resource datastore;◦ Automated the turn-up of new on-premise and cloud zones (datacenters);◦ Automated various processes to increase developer productivity. <p>➤ GOLANG MYSQL PUPPET GOOGLE CLOUD PLATFORM</p>

	Uber Fullstack Software Engineer, Observability & On-Call Experience
July 2015 – March 2017 Vilnius, Lithuania	<ul style="list-style-type: none"> ◦ Key frontend and backend developer of On-Call Dashboard, the Uber's on-call management suite (read the blog post); ◦ Worked on a low-level monitoring system that runs on 100k+ servers. <p>➤ PYTHON JAVASCRIPT REACT</p>
	Microsoft Software Engineering Intern in Windows Kernel Core Team
Summer of 2014 Redmond, WA, United States	<ul style="list-style-type: none"> ◦ Optimized the Windows boot process on ARM-based devices; ◦ Implemented drivers and kernel modifications for running UEFI boot applications on NT.
February 2014 – May 2014 Edinburgh, United Kingdom	Mappingbook Ltd Application Developer (part-time) <ul style="list-style-type: none"> ◦ Developed geospatial web applications for European Commission; ◦ Maintained a virtualized Linux web server setup. <p>➤ PYTHON DJANGO JAVASCRIPT GRAPHVIZ MAPSERVER POSTGIS LXC</p>
Summer of 2013 Vilnius, Lithuania	ZOOMBOOK Software Engineer <ul style="list-style-type: none"> ◦ Worked with a team to develop zoombook.com, an online self-publishing platform; ◦ Implemented the photo book rasterization and PDF generation subsystem; ◦ Designed and deployed an Arduino-based real-time shop floor data collection system. <p>➤ PYTHON DJANGO WEB CAIRO GRAPHICS POSTGRESQL</p>
Summer of 2012 Dublin, Ireland	Google Site Reliability Engineering Intern <ul style="list-style-type: none"> ◦ Added code coverage support to a functional programming language interpreter; ◦ Designed and implemented a distributed web service for automated code coverage analysis. <p>➤ PYTHON C++ CLIENT-SERVER ARCHITECTURE LEX & YACC</p>
August 2011 – October 2019	National Committee of Olympiads in Informatics Member of the Jury and the Task Preparation Committee <ul style="list-style-type: none"> ◦ Creating and preparing tasks for the national olympiad; ◦ Helping to organize the annual on-site final round.
August 2020 – February 2022	National Student Academy Head of the Informatics Section (part-time) <ul style="list-style-type: none"> ◦ Managing admissions of pupils to the informatics section; ◦ Coordinating lecturers and teaching content for semi-annual sessions.

EDUCATION AND TRAINING

Innovation and Technology Management

ISM University of Management and Economics, Lithuania

September 2020
– January 2023

- Principles of computation and logic; algorithms and data structures;
 - Programming paradigms & Haskell; distributed data processing with Hadoop;
 - Operating system architecture; network protocol stack; computer security;
 - Computer architecture; digital system design and implementation on FPGA using Verilog;
 - Analog circuit design and analysis; signal and communication systems.
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Computer Science and Electronics (Bachelor of Engineering with Honours)

University of Edinburgh, United Kingdom

September 2011
– June 2015

- Principles of computation and logic; algorithms and data structures;
 - Programming paradigms & Haskell; distributed data processing with Hadoop;
 - Operating system architecture; network protocol stack; computer security;
 - Computer architecture; digital system design and implementation on FPGA using Verilog;
 - Analog circuit design and analysis; signal and communication systems.
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National Student Academy – Diploma with Honours

October 2007
– July 2011

Version control systems, software engineering methodologies, design patterns, genetic algorithms, machine translation and lexical analysis, cryptography, theory of computation, robot programming with NXT platform.

ACADEMIC ACHIEVEMENTS

- 1st place in the final round of CodeVita 2015, an international student programming contest (Mumbai, India)
- Member of the university ACM NWERC 2014 team (Linköping, Sweden)
- Finalist in Challenge24 2014, the 24-hour coding competition (Budapest, Hungary)
- 2nd place in JP Morgan Code for Good 2013 (London, United Kingdom)
- Best digital skills project in European Union e-Skills Week Competition 2012 (Copenhagen, Denmark)
- International Olympiad in Informatics – silver medals in 2010 (Canada) and 2011 (Thailand)
- Baltic Olympiad in Informatics – bronze medal in 2009, silver medals in 2010 and 2011

Last updated on Jan 9, 2026