

Marijonas Petrauskas

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WORK EXPERIENCE

Lithuanian Criminal Police Bureau

Tech Lead, Division Manager

February 2024

– present

Vilnius, Lithuania

- 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

- Solved data clustering and classification problems using machine learning algorithms.

Informacinės visuomenės plėtros komitetas

Project Lead & Consultant

June 2022

– June 2023

Vilnius, Lithuania

- 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.

Palantir

Forward Deployed Engineer, International Government

March 2019

– October 2021

London,
United Kingdom

- 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.

➤ JAVA FOUNDRY GOTHAM DATA INTEGRATIONS

Uber

Senior Software Engineer, Foundations Platform

March 2017

– January 2019

Vilnius, Lithuania

- 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.

➤ GOLANG MYSQL PUPPET GOOGLE CLOUD PLATFORM

Uber

Fullstack Software Engineer, Observability & On-Call Experience

July 2015
– March 2017

Vilnius, Lithuania

- 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.

➤ PYTHON JAVASCRIPT REACT

Microsoft

Software Engineering Intern in Windows Kernel Core Team

Summer of 2014

Redmond, WA,
United States

- Optimized the Windows boot process on ARM-based devices;
 - Implemented drivers and kernel modifications for running UEFI boot applications on NT.
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Mappingbook Ltd

Application Developer (part-time)

February 2014
– May 2014

Edinburgh,
United Kingdom

- Developed geospatial web applications for European Commission;
- Maintained a virtualized Linux web server setup.

➤ PYTHON DJANGO JAVASCRIPT GRAPHVIZ MAPSERVER POSTGIS LXC

ZOOMBOOK

Software Engineer

Summer of 2013

Vilnius, Lithuania

- 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.

➤ PYTHON DJANGO WEB CAIRO GRAPHICS POSTGRESQL

Google

Site Reliability Engineering Intern

Summer of 2012

Dublin, Ireland

- Added code coverage support to a functional programming language interpreter;
- Designed and implemented a distributed web service for automated code coverage analysis.

➤ PYTHON C++ CLIENT-SERVER ARCHITECTURE LEX & YACC

National Committee of Olympiads in Informatics

Member of the Jury and the Task Preparation Committee

August 2011

– October 2019

- Creating and preparing tasks for the national olympiad;
 - Helping to organize the annual on-site final round.
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National Student Academy

Head of the Informatics Section (part-time)

August 2020

– February 2022

- 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