**Maksim Lozovskii**

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**2023–2024 | Software Engineer Intern at Rapid7 Belfast**

**Key tech : Java Spring Boot, AWS SQS/EKS, Kubernetes, Postgres, Elasticsearch, Kibana, Jenkins, Spinnaker, Datadog, Git/GitHub, Terraform, SNYK, Postman**

* Built and deployed Java Spring Boot microservices fixed bugs, added customer-requested functionality, provided code reviews and testing for Java Spring Boot microservices and Terraform Plans in GitHub PRs using JUnit, Mockito, Faker, Postman and Atlantis. Ran builds in Jenkins and deployed microservices as Kubernetes pods on AWS via Spinnaker
* Developed performance tracking functionality to increase transparency into our internal InfoSec performance, measuring speed of opening an investigation and adding related alerts to it, helping infosec receive credit for their performance
* Resolved dependency vulnerabilities using SNYK, ensuring the codebase remained secure and up to date with the latest library versions, avoiding use of dependencies with known CVEs
* Diagnosed and resolved production issues by analysing system performance in Datadog and investigating logs during incidents using log-search, helping maintain high service availability
* Participated in daily standups, retrospectives, sprint planning, and ticket reviews
* Assisted in data migrations between Rapid7 applications, including updates to Elasticsearch clusters via Kibana and Postgres clusters via SQL and Python scripts
* Collaborated with InfoSec and Sales through Rapid7’s “Insight Coffee” program, aligning product understanding across departments and improving knowledge-sharing between engineering and customer-facing teams

**2021-2023 & 2024-current | Part-time Counter Assistant at Super-Fry Banbridge**

* Delivered exceptional customer service in a fast-paced environment by prioritising teamwork and communication to align with colleagues on outstanding tasks, maintaining smooth operations, consistently meeting service standards and resolving issues to ensure customer satisfaction and retention.
* Mentored and onboarded new team members, providing day-to-day guidance and support to help them integrate quickly and contribute effectively

**Education**

**2021–2025 | Student at Queen's University Belfast**

* Achieved BSc 2.1 in Computer Science
* Developed an LLM based phishing email generator for users to learn how to identify complex phishing attacks. Researched and developed a custom way of prompting LLMs to achieve plausible output consistency in simpler models (Python Flask, Ollama, Mistral LLM, Docker, ReactJS)
* Led a small team to develop a neural network in MATLAB to detect faces in complex conditions
* Developed a neural network to predict risk of a heart disease occurring under certain conditions (Keras, Scikit-learn)
* Participated in Dota 2 Esports competitions as team captain hosted by Dota2Ireland

**2019–2021 | Student at Belfast Metropolitan College**

* Achieved Distinction\* Distinction\* Distinction in BTEC Level 3 Extended diploma in Electrical and Electronic engineering and Grade B in A-Level Mathematics
* Led group projects in PCB design and logic controllers programming
* Competed in World Skills UK in electronic circuit troubleshooting
* Produced teaching material and documentation

**2014–2019 | Student at Saint Patrick's College Banbridge**

* Achieved Grade A in GCSE Mathematics and GCSE English
* Achieved highest overall GCSE results in my year
* Assisted in organising school events and trips as part of student council

**Open-source contributions and side projects**

* Contributed to Dota2Ireland website to enhance team registration and management functionality (ReactJS, TypeScript, Supabase)
* Assisted with set-up, maintenance and troubleshooting of WordPress websites for small businesses and web shops, specifically fixing styling and adding custom components
* Developing Telegram based LLM bots for automation and data aggregation (news, alerts, access to locally hosted LLMs)
* Competed in QLAB Data competition, applying newly developed LLM based phishing email detector to analyse and populate public phishing email datasets (Kaggle and Hugging-face) with labels proposed by various LLMs

**References**

* Jonathan Millar, Rapid7 Software Engineering Manager

[jonathan\_millar@rapid7.com](mailto:jonathan_millar@rapid7.com), +44 7732 733952

* John David Bustard, Lecturer at Queen’s University Belfast and manager at QLAB [j.bustard@qub.ac.uk](mailto:j.bustard@qub.ac.uk), +44 7881 818697