

IMRICH NAGY



CONTACT

-  nimronagy@gmail.com
-  +421 907 289 752
+420 608 210 151
-  www.linkedin.com/in/nagy-imrich/
-  <https://github.com/NimRo97>

SKILLS

Hi! I am a senior software engineer with background in teaching CS classes and conducting computer security research

In my current position at Oracle, I focus primarily on authentication backend, where I tech-lead software development projects and work on discovery of new authentication features. In-between development projects, I occasionally dabble in QA and frontend work. As a former university tutor, I enjoy exercising my teaching skills by regularly facilitating software engineering training for my colleagues.

My core skills are software engineering, software development, OOP, code reviews, teaching, computer security, authentication, and practical cryptography. I am most proficient with Java, Python, C, JetBrains IDEs, Atlassian suite, WebAuthn, Git/GitHub/GitLab, SQL, and OpenSSL, but I am always eager to learn something new.

LANGUAGES

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| • English
Full professional proficiency | • Slovak
Native proficiency |
| • Czech
Full professional proficiency | • Russian
Elementary proficiency |

EDUCATION

- 2021 • Masaryk University Brno
- Master's degree
2019 Computer Systems, Communication and Security
- 2019 • Masaryk University Brno
- Bachelor's degree
2016 Computer Systems and Data Processing

EXPERIENCE

- Present • Senior Software Engineer at Oracle NetSuite
- NetSuite Authentication Team
2023 • Tech lead for passkey authentication
• Backend dev for login, 2FA, credential management, ...
• Occasional experience with QA, frontend, and UX work
• Regularly conducting software engineering training
• Daily-driving Java, Jakarta, JUnit, Java crypto libs, SQL, WebAuthn, Git, GitLab, P4, Figma, JIRA, Confluence
• Occasional experience with OJET/React, HTML, CSS, JSP, FML, Scala, OpenSearch, Oracle SQL Developer, Jetty
- 2023 • Software Engineer at Oracle NetSuite
- 2021
- 2023 • Teaching Assistant at Masaryk University
- Seminar tutor, lecturer, testing framework developer
2018 • Seminar in Java programming
• Foundations of Programming (Python)
• Principles of low-level programming (C)
• Teaching Lab (meta-course for teaching assistants)
- 2018 • English Camp Tutor
- Volunteer experience in collaboration with Josiah Venture
2012 • Daily camps for kids (5-15 y.o.)
• Weekly camps for youth (14+ y.o.)

PUBLICATIONS

- 2022 • JCAIlgTest: Robust Identification Metadata for Certified Smartcards
In Proceedings of the 19th International Conference on Security and Cryptography - SECRYPT, ISBN 978-989-758-590-6; ISSN 2184-7711, pages 597-604
2022, Science and Technology Publications, Lda, Av. D. Manuel I, Portugal
Svenda, P.; Kvasnovsky, R.; Nagy, I. and Dufka, A.
DOI: <https://doi.org/10.5220/0011294000003283>
- 2020 • Teaching Lab: Training Novice Computer Science Teachers
In Proceedings of the 2020 ACM Conference on Innovation and Technology in Computer Science Education (ITICSE '20)
2020, Association for Computing Machinery, New York, NY, USA, 561
Martin Ukrop, Valdemar Švábenský, and Imrich Nagy.
DOI: <https://doi.org/10.1145/3341525.3393967>