Guðni Matthíasson | CV

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Education

Technical University of Denmark   **Kongens Lyngby**
MSc in Computer Science and Engineering   *2019–2021*
Deep focus on computer security.

Reykjavík University   **Reykjavík**
BSc in Computer Science   *2011–2014*
Focus on computer graphics and cryptology.

Menntaskólinn Hraðbraut   **Reykjavík**
Secondary Education   *2009–2011*
Focus on linguistics

Experience

Syndis   **Reykjavík**
Security engineer   *2022–present*
Application analysis, penetration testing and consultancy

Advania   **Reykjavík**
Software Specialist   *2018–2022*
Microsoft Dynamics solutions, primarily for the energy sector.

Annata   **Reykjavík**
Software Developer   *2014–2018*
Microsoft Dynamics solutions for the automotive industry.

Domino's Pizza   **Mosfellsbær**
Driver   *2013–2014*
Pizza delivery

Bónus   **Mosfellsbær**
Cashier   *2011–2012*
Grocery store

Bónus   **Kópavogur**
Warehouse reception   *2011*
2-week replacement

Múr & Steining   **Mosfellsbær**
General Assistant   *2009–2011*
Masonry building and repairs

Certifications

Power Platform Developer Associate   *Jun 2021*
Microsoft Certified

Microsoft Dynamics AX Development Introduction   *Oct 2016*
Microsoft Specialist

Microsoft Dynamics AX 2012 Development Introduction   *Oct 2014*
Microsoft Specialist

Languages

Icelandic: Proficient   *Native language*

English: Proficient   *Primary working language 2014–2018*

Danish: Intermediate   *Limited experience*

German: Elementary   *Basic understanding*

Spanish: Elementary   *Basic understanding*

Computer skills

Operating systems: Windows, Linux (mostly Debian-based)
Programming: Dynamics 365, Power Platform, Python, C/C++, C#, .NET, SQL, Java
Other: Office 365, LaTeX, HTML, CSS

Interests

Science & technology: I am extremely curious about most things technical.

Computer security: Learning how computer systems break is important to me, as it allows me to better understand how to make them more resilient to attacks.

Music: I am obsessed with all kinds of music. I also like to play the guitar and sing.

Travel: One of my greatest passions is to explore new places and experience new things.

Sports: I have a PADI certification for open water scuba diving and enjoy rock climbing and martial arts.

Hiking and camping: Ironically, as a software and computer security specialist, I like taking some time as far away from a computer as possible every now and then.

Publications

G. Matthíasson, "Real-time execution tracing with ipt," Master's thesis, Danmarks Tekniske Universitet, 2021. Leveraging Programmable Intel Processor Trace Components for Real-time Device Data and Execution Stream Tracing.

G. Matthíasson, A. Giaretta, and N. Dragoni, "Iot device profiling: From mud files to s×c contracts," in *Open Identity Summit 2020* (H. Roßnagel, C. H. Schunck, S. Mödersheim, and D. Hühnlein, eds.), (Bonn), pp. 143–154, Gesellschaft für Informatik e.V., 2020.

G. Matthíasson, E. Sigurðsson, and J. Ólafsson, "Tölvuleikir sem námsefni." Library Catalog: www.sky.is.