

# MART ORUAAS

## PERSONAL INFORMATION

*Born in Estonia, 16 November 1976*

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*phone* (M) +372 5100227

## EDUCATION

1995–2001 Tallinn Technical University

*Bachelor of Science* Informatics

## WORK EXPERIENCE

2014–Present Software Engineer, CYBERNETICA — Tallinn

*Cybernetica AS*

Working on information security related software projects.

Competencies: C++, Java, Python, distributed and concurrent programming, algorithm and protocol design

2013–2014 Freelance software engineer

Worked as software developer for several early-stage startups.

Competencies: C++, Python, algorithm design

2012–2013 Software Architect, GRABCAD — Tallinn

*GrabCAD*

Software Architect in GrabCAD Tallinn development office. Responsible for structuring, scaling and securing GrabCAD backend services.

Competencies: Web application development, scaling and securing. Working with large deployments on cloud infrastructure. Running a team in DevOps mode.

2008–2012 Senior Core Library Developer, SKYPE — Tallinn

*Skype Engineering Ltd.*

Architect and developer of Skype Core Library, the cross-platform C++ runtime that implements most of functionality found in Skype clients. Responsibility areas included low-level networking and P2P media and signalling transport protocols. Took part of design and implementation of transport layer for Group Video Calling feature. For the last three months I was employed as Principal Software Development Engineer in Microsoft Corporation.

Competencies: C++, Python, IP networking, distributed and concurrent programming, semi-realtime software systems, algorithm design

2005–2008 Senior Backend Developer, SKYPE — Tallinn

*Skype Engineering Ltd.*

Architect and developer of several Skype serverside components, including the ones responsible for call signalling and media transport. Majority of the work involved writing and maintaining large C++ codebases and supporting operational staff in maintaining applications built from those codebases.

Competencies: C++, Python, IP networking, distributed and concurrent programming, protocol design

1998–2005 Computer Engineer, PANKADE KAARDIKESKUS — Tallinn

*Pankade Kaardikeskuse AS*

Evolved from network manager to lead software engineer over time and got involved in nation-wide payment network redesign efforts. This company is today known as Nets Estonia.

Competencies: *UNIX/Linux, C/C++, Java, Windows, protocol design, standard development*

*Spin TEK AS*      1992–1998      Computer Technician, SPIN TEK — Tallinn  
Part-time job, consisted mostly of computer and network repair and management  
Competencies: *Windows, Linux, Novell Netware, IP and IPX networking*

#### PUBLICATIONS

*Eesti Vabariigi Valimiskomisjon*      December 2003      Security Analysis of Proposed E-voting System  
E-hletamise kontseptsiooni turve: anal ja meetmed, EH-02-01.  
Authors: Arne Ansper, Ahto Buldas, Mart Oruaas, Jaan Priisalu, Anto Veldre, Jan Willemson, Kaur Virunurm

#### OTHER INFORMATION

*Awards*      2015 · Amazing Newcomer award of Cybernetica AS  
2005-2012 · Multiple collegiate awards of Skype Technologies Ltd.

*Languages*      ESTONIAN · Mothertongue  
ENGLISH · Fluent in everyday and professional use  
RUSSIAN · Basic (everyday spoken use, simpler newspaper text)

*Interests*      Sailing · Running · Bicycling

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