Cristian Gîlcă
Curriculum Vitae
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PERSONAL PROFILE

Date of birth	18. July 1994 in Craiova (Romania)
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EDUCATION

Computer Science (Bachelor of Science)   2016-2021
Technische Universität Ilmenau, Germany

- Bachelor thesis: Analysis of IT-Security objectives with functional security methodologies using an example of a smart meter system (in German)
- Specialization Mathematics: Numerics, Optimisation, Information Coding, Discrete Mathematics
- Focus subject IT-Security: Systems Security, Network Security, SELinux, Cryptography, Advanced Operating Systems
- Softwareproject: Visualization of a Multilayer Network
  - Approach with Unified Process Modell, versioning with Apache Subversion, programming with TypeScript, JavaScript, HTML und CSS, documentation with Latex and TypeDoc, UnitTests with Mocha and Chai, software modelling with Visual Paradigm and Time recording with Kimai
- Project seminar on business application systems (PROBAS): ABAP from SAP

High-School   2009-2013
"Elena Cuza" National Collegium, Craiova, Romania

- Mathematics and Computer Science with focus on Computer Science
- Cambridge Advanced English Diploma and Baccalaureate Diploma

WORK EXPERIENCE

Python Developer   October 2022 - present
Freelance, Full-time

- Automation bots, pipelining and web development

Software Developer   July 2021 - October 2022
HELLA GmbH & Co. KGaA (Craiova), Full-time

- Configuration Manager:
  - project process responsible, file management within PTC Integrity, IBM EWM and GitHub tools and team meetings leader
- Problem and Change Manager
  - project errors, changes and new implementations responsible and change requests maintainer with PTC Integrity and IBM EWM tools
- Release Manager
  - process and documentation responsible for internal or customer project releases

Stand-in Worker
June 2019 - June 2020

Micro-Hybrid Electronic GmbH (Ilmenau), Mini-job

- Programming an application for printing sieves management with Python
  - tkinter as main Python module, data transmission over JSON, unit tests, Creation of user manual, functional specification and design document in LaTeX
- Electrical measurements and mechanical measurements, execution of the automatic inspection systems (AOI) and operation of the stacking machine and KEKO sieve printer

Web Developer
February - May 2017

EasternGraphics GmbH (Ilmenau), Part-time

- Web application programming with TypeSript, React und SASS in Microsoft Visual Studio Code, versioning with Git, JavaScript tasking with Grunt and runtime envir6onment in Node.js

Receptionist
March 2014 – February 2015

Hilton Hotels & Resorts (Cardiff, Wales), Full-time

- Management of the hotel guest database on the computer and doing the daily audit

VOLUNTEERING

Network Administrator
April 2016 - May 2021

Forschungsgemeinschaft elektronische Medien e.V. (Ilmenau, Germany)

- Management of the members' database, solving technical problems and giving technical consultations

SKILLS

Languages:	Romanian (native)
	German (nearly native C2)
	English (advanced C1)
	Japanese (beginner A2)
Programming languages:	Java, Python, C++, Erlang, Prolog,
	JavaScript, TypeScript, Lambda Calculus,
	SASS, XML, React, CSS, HTML, PHP
Technical knowledge:	Windows, Linux, MacOS, Bash, PowerShell, CMD
	VMware Workstation, Windows Subsystem Linux, Docker
	Visual Studio, Eclipse, CLion, PyCharm, Anaconda, IntelliJ IDEA
	Oktave, Matlab, Visual Diagram, LaTeX, Adobe Photoshop
	MS Office: Word, Access, Excel, Powerpoint
	Git, SVN, FL Studio, Sony Vegas Pro, Sublime Text
	Slack, Zulip, Kimai, Toggl, Evernote, Trello, XMind
	Scrum, Unified Process

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Category A and B

CREDENTIALS

Available upon request