

Balázs Zsolt KERESZTURY

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<https://github.com/belidzs>

About me: Experienced System Architect with a demonstrated history of working in the computer software industry. Skilled in Databases, Business Intelligence, Software Development, Network Administration, and Computer Network Operations. Strong engineering professional with a Master of Science (MSc) focused in Business Information Systems from Corvinus University of Budapest. Member of Mensa International.

● WORK EXPERIENCE

31/05/2021 – CURRENT – Budapest, Hungary
SOFTWARE DEVELOPER – MORGAN STANLEY HUNGARY ANALYTICS LLC

16/11/2020 – 20/03/2021 – Budapest, Hungary
SOFTWARE DEVELOPER – ORACLE GLOBAL SERVICES HUNGARY LLC

Software Development of a Cloud Native Software-as-a-Service (SaaS) application:

- Python
- flask
- pandas
- kubernetes (cluster configuration, deployment and scaling)
- GitLab CI/CD (continuous integration pipelines)

Application: Scalable, microservices-based application which makes heavy use of containerization technologies (docker), configuration-as-code (kubernetes) and automated deployment tools (GitLab CI/CD)

Project management methodology: Scrum (Agile)

01/08/2006 – 15/11/2020 – Budapest, Hungary
SYSTEM ARCHITECT – SOLE PROPRIETOR

- IT consulting
- Custom software engineering
- Requirements analysis
- Application integration with existing ERP systems
- Building and maintaining company Data Warehouse

Technologies: .NET C#, Python, Django, flask, PostgreSQL (with PL/pgSQL), Microsoft SQL Server, DevExpress WinForms, Devart for dotConnect, Ubuntu Linux, bash, ansible, Pentaho

14/08/2014 – 14/09/2016 – Budapest, Hungary
NETWORK ENGINEER – CORVINUS UNIVERSITY OF BUDAPEST - CENTER FOR INFORMATION SERVICES

- Had full responsibility over the complete structured IT network
- Deployed new network segments (wired and wireless)
- Operated VoIP and PBX phone centers
- Managed development projects
- Implemented new internal processes (ticketing, source control and other productivity enhancement tools)

14/09/2006 – 14/06/2013 – Budapest, Hungary
SENIOR TEACHING ASSISTANT – CORVINUS UNIVERSITY OF BUDAPEST - INSTITUTE OF INFORMATION TECHNOLOGY

Responsibilities:

- Teaching classes
- Organizing exams
- Creating course syllabuses and teaching materials
- Managing junior teaching assistants' work

Taught subjects:

- Database Systems (Oracle)
- Applied Computer Science - Databases (MS Access)
- Informatics (MS Excel with VBA scripting)

- Operating Systems (UNIX-like systems)

01/11/2009 – 31/08/2010 – United Kingdom

LOCAL EXPERT IN EMEA WEB ROLLOUT PROJECT – ADT FIRE AND SECURITY PLC

- Assisted in the roll out of an international web project (EMEA region)
- Analysed requirements for different regions
- Provided technical support
- Gave general consulting

● EDUCATION AND TRAINING

14/09/2004 – 15/06/2009 – Budapest, Hungary

MASTER AND BACHELOR IN BUSINESS INFORMATION SYSTEMS – Corvinus University of Budapest

IT and economic studies on Business Informatics major

17/08/2008 – 17/01/2009 – Jönköping, Sweden

ERASMUS EXCHANGE STUDENT – Jönköping International Business School

Interaction Design, Knowledge Management, ISD Projects Development, Swedish language

01/09/2011 – 30/06/2013 – Budapest, Hungary

CISCO CERTIFIED NETWORK ASSOCIATE - CCNA (COURSE ONLY) – Corvinus University of Budapest

Attended course and passed final exam. No certification was awarded.

Ability to install, configure, operate, and troubleshoot medium-size routed and switched networks, including implementation and verification of connections to remote sites in a WAN.

● LANGUAGE SKILLS

Mother tongue(s): HUNGARIAN

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
GERMAN	B2	B2	B2	B2	B2
SPANISH	B2	B2	B2	B2	B2
SWEDISH	A1	A2	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● NETWORKS AND MEMBERSHIPS

31/03/2011 – CURRENT

Member of Mensa International

Membership ID: 12794 (HU)

● DRIVING LICENCE

Driving Licence: A

Driving Licence: B

● **PROJECTS**

Open-source software development

Maintainer of the following projects with OSI approved licenses:

- PreciseLM35 (Arduino library for LM35 temperature sensor)
- MailgunAddressValidator (C# library for checking e-mail addresses using Mailgun's online service)
- HungarianBankAccount (C# library to check validity of GIRO bank account numbers)
- Various Chocolatey packages
- beancount_mnb (Python module for beancount plain text personal accounting software)
- gnucash_quotes (Python script to download stock prices into GnuCash personal accounting software)

Contributor to other projects:

- home-assistant (home automation platform)
- Signal-Android (encrypted messaging app for Android)
- Signal-Desktop (encrypted messaging app for electron)
- AdAway (ad filtering for Android)
- Loop Habits (habit tracker on Android)
- FaceSlim (Facebook client on Android)
- zeyple (GPG encryption for postfix)
- git-for-windows (SCM client on Windows)

● **ORGANISATIONAL SKILLS**

Freelancing

Being a freelancer software engineer taught me how to:

- Continuously improve my skills
- Understand business requirements
- Mediate between conflicting interests

Teaching assistant

As senior teaching assistant I was responsible for 3-5 junior teaching assistants' performance. This experience helped me to gain leadership skills through the following tasks:

- Organizing and leading weekly teachers' meetings
- QA of teaching
- Exam organization
- Writing teaching materials
- Escalating and negotiating problems and special requests to the Head of Department