

# MSc OGNEN MENKOVSKI



## Contact

Email:

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Webpage:

<http://www.omniwaters.com>

## Languages

English – Proficient  
German – Basic  
Serbian – Proficient  
Croatian – Proficient  
Bulgarian – Basic

## Driving License

B

## Skills

AutoCAD Civil 3D	90%
HEC-RAS	85%
SWAT+	80%
ArcGIS	75%
QGIS	70%
DHI MIKE	75%
HEC-HMS	85%
EPANET	90%
SWMM	85%
HY-8	80%
C++	25%
Python	35%
Anaconda	55%
Jupyter N.	70%
Office	95%
Adobe Acrobat	95%

## Summary

Civil Engineer currently working as Consultant and Designer as part of a team from GEING Krebs und Kiefer International & others Ltd in Ministry of Transport and Communications in Republic of North Macedonia for implementation of rehabilitation, expansion or construction of water supply and wastewater collection systems for the municipalities in the Republic of North Macedonia, financed by the European Investment Bank.

I have worked as a Civil Engineer as Main Designer, Associate Designer and Consultant for design on related projects and studies for more than eight years. And as Computer Systems Administrator and Head of ICT for five years.

As Head of Information and Communication Technologies I worked on maintaining the ICT needs of MZT Larnica and Energetika. As part of the team we ensured constant quality of service and informational security as part of the production facility and administrative building. The work covered upgrading existing systems and equipment to the latest technological standards and qualities. The operation of the both factories was in the Foundry industry and Energy sector, under investments for modernization of production to the latest technologies ensuring best quality products and services.

In MZT I have worked as System Administrator, IT technician, Support Specialist, System analyst. Network Engineer, Database Administrator, IT Security Specialist and Data Scientist.

## Skill Highlights

- Bridge hydraulics
- Water supply systems
- Storm water collection
- Sewerage systems
- Highway hydraulics
- River hydraulics
- Flood modeling
- Small hydro power plant
- Hydrological models
- Arduino family microcontrollers use with various sensors
- ESP32 microcontrollers
- LoRA and Z-Wave modules for wireless communication
- WIFI and wired routers
- Wired and Wireless networks
- IoT
- Servers / NAS

VMware	90%
Linux	85%
Unix	70%
OpenWRT	90%
DD-WRT	90%
Windows	95%
Samba	90%
FTP/SFTP	95%
IOT	95%
VPN	90%
Iptables	85%
DDNS	80%
VLANs	75%
Radius	65%
EoIP	65%
PoE	80%
Port Forward	90%
UPnP	90%
DMZ	90%
QoS	80%
VoIP	80%
TCP/IP	85%
802.11a/b/g/n/ac	80%

## Experience

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### Consultant – 09/2015

**MTC**, Skopje R. N. Macedonia

- Control of main design documentation for the projects.
- Tender documentation for the projects.
- Taking over reports for the projects.
- Consultations with main designers and Ministry representatives.
- Identifying problems and finding solutions before and during construction phase.
- Leasing with Team leader, main designers and Municipalities representatives.

### Main/Associate Project Designer – 02/2013

**GEING Krebs und Kiefer**, Skopje R. N. Macedonia

- Main project design
- Preliminary project design
- Revision and control of main design
- Feasibility studies
- Procurement documentation
- Technical studies and documentation

### Head of ICT – 05/2008 to 02/2013

**MZT ENERGETIKA/LEARNICA**, Skopje R. N. Macedonia

- Software and hardware
- Networking and security
- Installation and maintenance
- Routers / Switches / Firewalls
- Backup and data archiving
- Firmware maintenance
- IoT
- IP Devices (Cameras / Telephony)
- Surveillance
- Audit
- Incident response

## Education

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Master of Science: **Civil and Water Engineering** – 2018

Bachelor of Science: **Civil Engineering** – 2012

**Faculty of Civil Engineering** - Ss. Cyril and Methodius University of Skopje

## Certifications

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Faculty of Civil Engineering: **AutoCAD Civil 3D**

UNESCO / IHE DELFT: **Programming for Geospatial**

**Hydrological Applications**