# Milko Minchev

Senior DevOps Engineer favoring Azure services and .NET C# programming.
Familiar with CI/CD pipelines automation, virtualization, IT infrastructure management.

Contact:
Tel: +359 888 466 701 , e-mail: milko.minchev@outlook.com

in    https://www.linkedin.com/in/milkominchev/

## Core Technical Skills

DevOps: infrastructure, automation, IaC, CI/CD, testing, deployment
/Azure cloud, Azure DevOps, Jenkins, Cloud Foundry, GitHub/

IT infrastructure planning, development, installation and maintenance /MS servers: Active Directory, Exchange, Lync, DNS, DHCP, FTP, SQL, Hyper-V /.
Servers and desktops virtualization.
Network and Firewall configuration and management.

Software development C#, .NET Framework, .NET Core, some C++ , Java , Python, PHP.
Ship design software system administration - TRIBON / M3 / AVEVA MARINE, Smart Marine 3D.

Microsoft Certified: Azure Administrator Associate

Microsoft Certified: Azure Data Fundamentals

Microsoft Certified: Azure Fundamentals

## Work experience

**Senior DevOps Engineer**
August 2022 − Present

**Endava**
Design, builds and manage cloud services and related software. Builds out new cloud infrastructure, Azure cloud and Azure DevOps based solutions for software development, testing and deployment to production.
Participates in new projects discovery and build phases.

**DevOps Engineer**
December 2021 − July 2022

**Zühlke Engineering EOOD**
Technical responsibility for the design and delivery of complex system components throughout the entire software development life cycle.
DevOps within customer projects including software development infrastructure, testing, documentation and deployment to production.

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| **Technical Manager - IT** <br> July 2021 – December 2021 | **Naval Technology Bulgaria Ltd, Varna, Bulgaria** <br> */a subsidiary of Fr. Lürssen Werft GmbH & Co. KG, Germany/* |
| **Technical Manager - IT** <br> January 2021 – June 2021 | LS Engineering Ltd, Varna, Bulgaria <br> */temporary used until Naval Technology Bulgaria get registered and ready by Lürssen, Germany/* <br> Leader of all activities related to IT infrastructure planning, development, troubleshooting and maintenance. <br> Windows based environment, Citrix VDI, Cloud services |
| | **Keppel FELS Baltech Ltd, Varna, Bulgaria** |
| **IT Manager** <br> June 1998 – December 2020 | Leader of all activities related to IT infrastructure planning, development, troubleshooting and maintenance. Designs and build from ground up small company data center. Architect and leader of Virtual Desktop Infrastructure (VDI) implementation as highly efficient and cost saving solution. <br> Specialized also in Engineering Applied Software for CAD/CAM & 3D modelling. On behalf of Tribon Solutions (later acquired by AVEVA) : Tribon testing, Tribon training, implementation, benchmarking and consultancy services for their customers, shipyards and ship design offices located in Singapore, China, Indonesia, India, Malaysia, Russia, Ukraine, UK, Bulgaria, Greece, Korea, France. |
| **Computer Services Manager** <br> February 1997 – June 1998 <br><br> **Senior Engineer, Computer Services** <br> November 1994 – February 1997 | Technology Stack <br> OS: Windows Server and Desktop, Linux, HP-UX <br> Virtualization: Hyper-V, VMware, Citrix <br> Storage: HP EVA, HP 3PAR, Windows Server <br> Cloud: Azure <br> Networking and firewalls: 3COM, Cisco, HP, Tipping Point NG Firewall, Fortinet NG Firewall <br> Services: Windows Active Directory Domain Controller, DNS, DHCP, Microsoft Exchange, IIS, FTP, Microsoft Lync, Windows File server, VDI based on Windows Hyper-V, Antivirus server <br> Programming: C++, MFC, Python, C#, .Net Framework, .Net Core, ASP .Net, MVC, Visual Studio |
| **Electrical Designer** <br> December 1990 – October 1994 | **Shipyard, Rousse, Bulgaria** <br><br> Design and troubleshooting of various electrical systems. |
| **Designer** <br> November 1989 – December 1990 | **System Invest Engineering Ltd, Rousse, Bulgaria** <br><br> Design, testing and repairing of electronic devices, mainly single processor units and peripheral interface cards for usage in production control and automation units. |

## Education

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|---|---|
| **Master Degree (MD) Automation of Production** | **Technical University, Rousse, Bulgaria** |

## Personal Details

**Date and place of bird:** 03 December 1965 , Ruse, Bulgaria

**Present address:** bl. 106 vh.7 kv. Mladost , Varna 9000, Bulgaria
**Contact details:** Tel : +359 888 466 701 , e-mail: milko.minchev@outlook.com

**Language proficiency:** Bulgarian, English, Russian

# Recent Projects

**Industry:** Commodity Trading Consulting
**Role:** Senior DevOps Engineer
**Development Context:** Authentication and Authorization services change. Discovery phase for new prospective customer followed by project build and support phases.
**Technology Stack:** Azure cloud and DevOps services, GitHub Repo and Workflows, C# .NET Core, Angular. Terraform and Checkmarx (managed by the customer). Azure Service Fabric Clusters as a major hosting platform for all services.
**Tasks/Experience:** Review the existing customer IT cloud infrastructure, software development environment and related work procedures and processes. Plan and propose reliable CI/CD environment and branching strategy for software developing, testing and deployment of services required to separate and upgrade the present authentication and authorization services.
**Achievements:** The plan has been accepted by the client and project started. All changes in the existing software code and the new services developed have been done in virtually isolated manner without interrupting the client's ongoing development and business processes. New CI pipelines to serve only the related changes have been created. New release pipelines for software deployment have been created for the new and upgraded services.

**Industry:** Commerce
**Role:** Senior DevOps Engineer
**Development Context:** Complex web portal for payment services management
**Technology Stack:** Azure, Azure AD, Azure Web App services, Azure DevOps, Azure Repo, Azure Artifacts, Azure SQL Managed Instance, Selenium, Invicti, C# .NET Core, Angular. Terraform and SonarQube (managed by the customer)
**Tasks/Experience:** Design and delivery complete software development and applications hosting infrastructure including source code repository, automation, testing, documentation and deployment to development, testing (QA) , UAT and production environment.
**Achievements:** Azure DevOps pipelines integrated with Azure Repos and Azure Artifacts automate the build, testing and deployment. Main branch protection implemented – requires successful build, tests, review and approval before merging pull requests. Testing results reported in Azure pipelines run. Approved build versions stored at Azure Artifacts and deployed to QA, UAT and production via Azure pipelines. Blue/Green deployment implemented using Web Apps deployment slots – staging and production. Feature flags implemented using Apps Configuration service. Key Vaults used for secrets store. Managed identities used to configure the access between different services. Complete documentation and customer training provided.

**Industry:** Telecommunications
**Role:** DevOps Engineer
**Development Context:** Simple web application for configuration management
**Technology Stack:** Cloud Foundry, Angular, JavaScript, Spring Boot / Java, Jenkins, Artifactory, Bitbucket, JUnit, Selenium, JMeter
**Tasks/Experience:** Design and delivery complete software development infrastructure including source code repository, automation, testing, documentation and deployment to development, staging and production environment.
**Achievements:** Jenkins pipelines integrated with Bitbucket automate the build, testing and deployment. Main branch protection implemented – requires successful build, review and approval before merging pull requests. Testing results reported in Jenkins tasks. Approved build versions stored at Artifactory, further tested by Xray inside Artifactory and deployed to staging or production via Jenkins pipelines. Selenium based User Interface testing and JMeter performance and load tests also automated via Jenkins. Complete documentation and customer training provided.

**Industry:** IT Service Provider
**Role:** DevOps Engineer
**Development Context:** Web application for workflow automation
**Technology Stack:** Microsoft Azure cloud and DevOps Services, .Net Framework, .Net Core
**Tasks/Experience:** Create testing and deployment pipelines for an existing Azure Repo.
**Achievements:** Azure pipelines created, and policy set to require certain attributes before the pull request is merged to the main branch. Unit testing and test coverage reported in the pipeline. DevOps integration with MS Teams.

**Industry:** Shipbuilding
**Role:** IT Manager
**Technology Stack:** Windows Server, Windows Hyper-V server and desktop virtualization, Active Directory Domain Controller, Microsoft Exchange, DNS, DHCP, Microsoft Azure cloud, HP networking, HP 3PAR and many other.
**Tasks/Experience:** Leader of all activities related to IT infrastructure planning, development, troubleshooting and maintenance.
**Achievements:** Ensured reliable IT infrastructure for efficient engineering workflow. Engineering design process automation and optimization.

# Additional information

*As this is significant part of my professional experience, I would like just to mention that Tribon is an integrated software system for ship design and offers the highest quality in the ship design and ship building processes. Firstly developed by KCS afterwards reorganized to Tribon Solutions, now they are part of AVEVA. Link for additional information, if required:*
*https://www.aveva.com/en/industries/marine/ship-building/*

***Tribon / AVEVA Marine experience***

*Cable and Accommodation design Modules, Data Extraction, Vitesse, add-on software development.*
Cross platform system integration and optimization.
Customized applications for data base maintenance and information transfer from TRIBON model to foreign information system.

Certified by Kockums Computer Systems – UK (Certificates attached)

TRIBON Installations and Training Courses:

- Keppel FELS – Singapore;
- P.T. Dok Dan Perkapalan Surabay – Indonesia;
- Admiralty Shipyard – Russia;
- Chernomorsudoproject S.A. – Ukraine;
- Iceberg Design Bureua – Russia;
- A/O "VYMPEL" – Russia;
- SEVMASHVTUZ – Russia;
- Shanghai Shipyard – China;
- Appledore Shipbuilders – UK;
- Varna Shipyard – Bulgaria;
- Elefsis Shipyards – Greece;
- GRSE, Calcutta – India.
- Daewoo Shipbuilding & Marine Engineering Co., Ltd (DSME) – Korea

TRIBON Demo and Benchmark:

- Varna Shipyard – Bulgaria;
- JV YSC ASTRAKHAN SHIPRIGHT.
- ALSTOM, Chantiers de L'Atlantique - France

Assistance and Implementation in TRIBON projects :

- Keppel FELS – Singapore;
- P.T. Dok Dan Perkapalan Surabaya – Indonesia
- Admiralty Shipyard – Russia;
- Malaysia Shipyard and Engineering Sdn. Bhd.

# CERTIFICATE

**Milko Mintchev**
Keppel FELS Baltech Ltd

is certified to carry out on behalf of
KCS training on the following modules

**5210 General Design**
**5211 General Design Outfitting**
**5220 Advanced General Design**
**5430 Cable**
**5450 Accommodation**
**5612 TRIBON System Manager (HP-UX)**
**5820 TRIBON Installation (HP-UX)**
**5850 TRIBON Installation (DEC UNIX)**

This certificate is valid until December 2000

Andrew Gordon
Central Support Manager.

KCS
Kockums Computer Systems
Newcastle, 18 May 1999

# CERTIFICATE

**Milko Minchev**
Keppel FELS Baltech Ltd

is certified to carry out the
following training courses on
behalf of Tribon Solutions

**5210 General Design**
**5211 General Design Outfitting**
**5220 Advanced General Design**
**5430 Cable**
**5431 Cable (NT)**
**5450 Accommodation**
**5612 TRIBON System Manager (HP-UX)**
**5614 TRIBON System Manager (Solaris)**
**5615 TRIBON System Manager (DEC UX)**

This certificate is valid until March 2002

Andrew Gordon
Central Support Manager.

TRIBON
solutions
Newcastle, 31/10/00

# Certificate of Achievement

THIS IS TO CERTIFY THAT

## Milko Minchev

WAS ONE OF THE TOP TEN TRAINERS FOR
TRIBON SOLUTIONS IN 2000

Central Support Manager

TRIBON
solutions