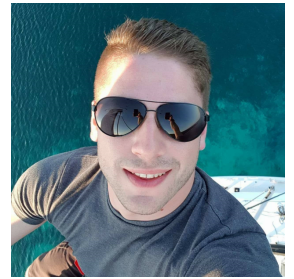# Denis **Ekart**

Software Engineer · DevOps Engineer

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"The function of good software is to make the complex appear to be simple."

Summary

An innovative programmer with more than 5 years of professional experience in software design and development. Thrive in a team environment with the ability to lead and follow leadership directives. Understanding intricate systems and solving complex problems in a dynamic and result-oriented way is one of my strong suits (writing short sentences is not). Able to coordinate several projects simultaneously while prioritizing tasks and operating proactively. I aspire to be language-agnostic and like learning new programming languages and exploring new frameworks.

Work Experience

Adacta d.o.o.
Maribor, Slovenia

Senior software engineer, tech lead | *Jul. 2019 - ongoing*

- Colaborated with peer developer teams that span entire europe.
- Implemented features in the product core (the platform) that are used by clients worldwide.
- Reviewed code and guided junior and peer developers in designing cleaner and more robust software.
- Delivered features that directly affected clients and successfully integrated the product with their (external) systems.
- Architected features that span multiple interconnected systems and are currently used in production.
- Worked with latest popular technologies and integrated them into an established product.

Pinna d.o.o.
Maribor, Slovenia

Full stack software engineer | *Okt. 2016 - Jul. 2019*

- Colaborated with remote teams implementing products that target the healthcare system and are being used in healthcare provider systems and clinical centers in the country.
- Helped designing an overall service architecture and coding guidelines for designing micro-services in the company.
- Designed communication strategies between micro-services using event sourcing and CQRS using the domain driven design principles.
- Implemented several API microservices in .NET Framework and Core.
- Deployed a centralized code quality metrics environment (Sonarqube) that analyzes code and provides information and warnings about code smells and bad coding practices.
- Designed and implemented a system that records audio dictations on mobile devices and communicates with a web service which in term communicates with desktop applications, bridging the central systems and the mobile devices in a secure manner.

DevOps engineer

- Built fully automated CI/CD pipelines on Azure DevOps for containerized applications using Docker with local and Azure cloud deployments.
- Utilized scripting tools such (Cake Build, DevOps yaml) ensuring CI pipelines use code from source control for running builds.

Systems engineer

- Configured the infrastructure needed to deploy, and run services in multiple parallel sandboxed environments and in production.
- Leveraged the services and infrastructure provided as a part of the Azure stack including (but not limited to) docker containers, VM's, Azure Service Bus, Web Apps and Azure AD.

Trivia, programske rešitve s.p.
Maribor, Slovenia

Founder & Software Engineer | *Aug. 2014 - ongoing*

- Developed micro-services that communicated with the government's web services (davčne blagajne) REST API.
- Developed software from design to production phase for mobile cash registers used in coffe shops in the country.
- Developed a web based resource management system used for automating ordering goods on a massive scale from multiple suppliers while calculating ensuring optimal price ratios.
- Developed and maintained healthcare systems that are critical to clinical centers.

Skills

Programming languages and frameworks

C#	Asp.NET, AspNetCore, NET5.0, SignalR, DevExpress, WPF, Blazor, Windows Forms, Xamarin, Mono(Android), Windows IOT, Windows SDK (8.x, 10.x), COM+
C/C++	C++11, Embedded ARM Cortex
Java	Spring, Hadoop(mapreduce), Android
Kotlin	Android
Python	2.7.x, 3.x, sklearn, tensorflow, matplotlib, numpy, NLTK
R	CARET, rpart, ROCR, nnet, CORElearn, mboost, party
SQL	MSSQL, MySql, Oracle (PL/SQL)
TypeScript	Angular 11.x, rx/js, jQuery, Razor
Javascript	Node, Google V8 engine
SASS	Sassy CSS(scss)
LUA	Redis
(X)HTML	HTML5, XPath, XSD, XSLT, Handlebars.js

Languages

Slovenian	First language.
English	Excelent speaker. Excelent writer.
Croatian	Excelent speaker. Average writer.
German	Basic understanding.

Other skills

Source control	GIT (lfs), SVN, TFVC
Microsoft Azure	Azure AD, WebApps, Container instances, VM's, resource management.
Azure DevOps	Azure artifacts(nuget), build agent administration, continuous integration, continuous deployment, SCRUM administration, test planning.
Build automation	Cake build (C# scripting), DevOps yaml build, GitLab yaml scripts, Nuke build.
Docker	Compose, Kubernetes, Helm.
HL7	Basic understanding, using, parsing.
Other	Elasticsearch, PdfReactor, IdentityServer4, Active MQ, Quartz.

Honors

International

9 October, 2018 **Published article**, StuCoSReC Proceedings of the 2018 5th Student Computer Science Research Conference DOI: https://doi.org/10.26493/978-961-7055-26-9.21-25 21 *Ljubljana, Slovenia*

Education

FERI(Faculty of Electrical Engineering and Computer Science) *University of Maribor, Slovenia*

Master of Computer Science and Information Technologies *Okt. 2017 - ongoing*

- mag. inž. rač. in inf. tehnol.

FERI(Faculty of Electrical Engineering and Computer Science) *University of Maribor, Slovenia*

Bachelor of Computer Science and Information Technologies *Okt. 2010 - Jul. 2014*

- dipl. inž. rač. in inf. tehnol. (UN)