

Personal information	Born on 21/12/1983, Smederevo (Serbia) , living in Koekelberg (Belgium) since 2011 My web site is www.milanaleksic.net , email is milanaleksic@gmail.com and Twitter is: @milanaleksic . I have <i>dual citizenship</i> of Belgium and Serbia.	
Education	Dipl. Ing. Computer Science & Engineering University of Belgrade (Serbia), Faculty of Electrical Engineering (ETF) “NARIC – Vlaanderen” recognized diploma as M.Sc. ¹	2008
Spoken lang.	Serbian (mother tongue), English (fluent), Dutch (C1 Effectiveness 1 ²)	
Keywords	Java, Go, AWS, PostgreSQL, Chef, Python, Groovy, Scala, JavaScript	
Experience	Expert Java Engineer @ TomTom (Belgium) Feature development and maintenance of various core systems and applications in MPU Core CCE Authored MLF library: code-generated Java wrapper around free GDAL C-lang ESRI GDB support Led migration of a complex FME workbench into AWS for GIS source data digestion (Sinatra) PostgreSQL RDS, Spring Boot, SQS, ECS, Terraform, Vue.js	2017 - ...
	Lead Software Engineer @ Basware (Belgium) Senior Software Engineer @ Basware (Belgium) Portal Basware Network: Active full-stack development role on online and internal services Play2, Scala, Java8, MongoDB, Spring, Chef, Go Basware e-Archiving: DevOps lead-in-charge and one of lead developers CloudFormation, Jenkins, Bash, AWS CLI; Java Lambdas, API GW, S3, DynamoDB, SQS, Splunk Introduced cross-systems end-to-end testing (Norsu project: Groovy, Cucumber, Gradle) Rewritten core validation business rules implementation (Java) Cross-systems metrics gathering & analysis via Akka (Scala) and Dashing.io (Ruby) Migration of legacy Resin applications to Tomcat cluster (Oracle, JSP, RMI, Ant, Tomcat, Apache2) HAL9000 Flowdock bot (cross-referencing 100+ developers and Jenkins jobs written in Go)	2015 - 2017 2013 - 2015
	Freelance Consultant (Gtech UK) Support migration of einstants Flash to HTML5 (Script#, Grunt, RequireJS, Karma) Various tasks related to new Switzerland Lottery's online game LotoExpress	2014
	Software consultant @ Cronos (Belgium) Interwoven TeamSite consultancy in <i>BNP Paribas Investment Partners</i> Full-stack maintenance of global portal www.bnpparibas-ip.com (Java, Oracle, XSLT, Perl, JavaScript) Server Synchronization: tool for content synchronization analysis over Solaris systems (Java)	2011 - 2013
	Software Engineer II @ Gtech G2 Sports Betting (Serbia) WARP framework core engineer: front-end (Script#) and back-end (C#) National Lottery Players' portals for Chile (www.polla.cl) and Belgium (www.e-lotto.be) <i>DistributeWarpComponent</i> : developer tool, Visual Studio plugin (C# / Groovy) <i>CipDroid</i> : Android application for internal issue management system	2009 - 2011
	Software Developer @ Arius (Serbia) Java developer of transaction systems Dispatching of bank notifications via SMSC / GSM modem (JMS, Spring, WebSphere 6, Oracle) Mobile top-ups Java server transaction application (MRS system: Java, JPOS Q2, WebSphere) Offline vouchers project for Nigerian market (C, Java) Evolution of payment transaction system for POS terminals (TMS system)	2007 - 2009
	Intern software developer @ ESAProjekt (Poland) Usage of iOmniscient video recognition software for parking lots (C#)	2006

¹ Details in appendix 6

² Details in appendix 7

Selected
open source
projects

- Personal Web site (github.com/milanaleksic/man-website; Hugo, AWS (CloudFront, S3, Cert. Man.)
Simple static web site in the cloud, deployed via Semaphore.ci + AWS CLI
- mongodiff (github.com/milanaleksic/mongodiff; Go)
Tool that reproduces insertions done in MongoDB, for Scrum Demo sessions
- gomakefiles (github.com/milanaleksic/gomakefiles; Makefile, Bash)
Reusable Makefile files which allow cross CI/CD Go compilation with many useful tools
- Igor (github.com/milanaleksic/igor; Go Lambda, Vue.js, Google+, CloudFront, Cognito, DynamoDB)
"I am away" Flowdock bot, deployed via Semaphore.ci + CloudFormation
- Clici for Jenkins (github.com/milanaleksic/clici; Go)
Customizable Jenkins ncurses-like command line tool to follow Jenkins jobs
- HostChecker (github.com/milanaleksic/hostchecker; Go)
Uses JSON DSL to verify expectations which a certain cluster of machines must fulfil
- Baobab (milanaleksic.github.io/baobab/; Java)
JSON-to-SWT mapping and annotation-driven MVC GUI framework
- WinLauncher (github.com/milanaleksic/winlauncher; C++)
Bootstrapping Windows application for Java
- GCAalyzer (github.com/milanaleksic/gcanalyzer; Groovy, JFreeChart)
Analyzing / graphing Java GC logs of Parallel and Serial GC
- MtsCheckAccount (github.com/milanaleksic/mtscheckaccount; Java, GNU RxTx)
GUI application for executing USSD via AT commands on USB 3G modems
Supporting modems ZTE MF622 and Huawei E1550 on Windows and Linux

Selected
closed source
projects

- Raspberry Pi humidity & temperature station (Go, PostgreSQL, D3.js)
Self-soldered, uses a permaproto board, solder, DHT22 sensor, WiFi
- NovinarnicaDownload (Scala, Akka, Spray.io, Google OAuth)
Content crawler and CBR packager of magazines from www.novinarnica.net
- Movie Catalog System (Java, Baobab)
Catalog program for movie collections for Windows and Linux (SWT, Hibernate, H2)
TMDB integration (find-a-movie, posters, IMDB links)
Custom SWT components for UX, multi-master optimistic replication via vector clocks,
Versioned database alteration and restoration from backup
- Collaborative Utilities Concept (Java, Baobab)
Platform for integration of numerous (thirteen) tools (SWT, Smack, JMF...)
Including Jabber bot, scheduled SQL firing, ISO8583 message parser etc
- BADUC (**Bastion**+DroneCI+**Usher**+Consul; also Chef, Gitea, SystemD)
CD system for software deployment in my home network via Go microservices
A tagged Git push redeploys software on all cluster nodes
- VOZ (Go, PostgreSQL, ANTLR, Vue.js; BADUC)
Self-hosted web page content downloader with search DSL
Integration with IFTTT, Wallabag-compatible API, self-written page digester
- Dropbox-to-Dokuwiki sync (Go; BADUC)
notes-for-life synchronization application

Talks	(BeScala) Introducing a reactive Scala-Akka based system in a Java centric company http://www.meetup.com/BeScala/events/220967046/ (with Jeroen Verellen)	2015
Completed courses	Coursera, Functional Programming in Scala (with Martin Odersky)	2012
	Coursera, Algorithms 1 & Algorithms 2 (with Robert Sedgewick)	2013
	Coursera, Pattern Oriented Software Architecture (with Douglas Schmidt)	2013
	10gen, MongoDB for Java Developers (M101J)	2013
	Coursera, Principles of Reactive Programming (with Odersky, Meijer & Kuhn)	2014
Awards	Gtech Silver Building Excellence Award	2009
	Gtech Gold Building Excellence Award	2010
Certifications	Oracle Certified Professional, Java Programmer 6 (OCPJP 6)	2011
	Oracle Certified Professional, Java EE 5 Web Component Developer (OCPCD 5)	2011
	Oracle Certified Expert, Java EE 6 Java Persistence API Developer (OCEJPA 6)	2012
Appendixes	[1] www.milanaleksic.net/public/cv-app1 Recommendation by prof. Igor Tartalja (Belgrade ETF)	
	[2] www.milanaleksic.net/public/cv-app2 Recommendation by Rafal Dunal (internship in Poland)	
	[3] www.milanaleksic.net/public/cv-app3 GTECH Silver Building Excellence Award	
	[4] www.milanaleksic.net/public/cv-app4 GTECH Gold Building Excellence Award	
	[5] www.linkedin.com/in/milanaleksic My LinkedIn page with additional information, recommendations etc.	
	[6] www.milanaleksic.net/public/cv-nostrification De Gelijkwaardigheid van Buitenlandse diploma's en studiegetuigschriften met een Vlaamse academische graad	
	[7] www.milanaleksic.net/public/cefr_en_overzicht_nt2_aanbod.pdf Common European Framework of Reference for Languages and NT2 providers	