

János Setény	jseteny@gmail.com	+36 30 686 6156	<a href="https://github.com/scala-szeged">github.com/scala-szeged</a>
<b>My responsibilities</b>			
<b>Lead Developer and Senior Developer</b>	<p><b>Develop</b> new financial features for <b>Morgan Stanley</b> in daily cooperation with <b>traders in London</b> and <b>Microservices</b> for <b>invia.com</b> using <b>Scala</b>, REST, ZIO core, ZIO HTTP, ZIO Metrics, ZIO Config, ZIO test and ZIO Quill. Achieve scalability, traceability, fault tolerance and built in performance measurement using <b>Kubernetes</b>, Prometheus and Grafana. Create detailed Grafana Dashboard displaying incoming and outgoing API request percentiles, success and error rates, database and other resource usages, pod starts and stops. Deploy using GitLab, GitHub, ArgoCD GitOps system and versioned configuration.</p> <p>Develop using <b>Agile</b> practices, Jira and Confluence. Carry out development <b>Test-first</b>, business logic first and avoiding accidental complexity. Choosing <b>simplicity</b> instead of easiness. Develop using unit tests, system tests, acceptance tests and <b>container-based tests</b>. <b>Design</b> Software Layers, cooperation of the layers, exception handling strategy and transfer protocol. Do code reviews, requirement, feasibility and risk analysis. Plan and supervises refactoring.</p> <p>Do <b>Functional Programming</b> at Morgan Stanley, invia.com, Arteris IP, CAS Software AG and Tigra Software Kft. using <b>Scala</b>, <b>Java</b>, <b>Ruby</b> and <b>Go</b>. Lead <b>Big Data research project</b> using Scala, Spark ML, Hadoop and H2O enabling new business possibilities.</p> <p>Increase developer productivity by developing <b>IDE Plugin</b>, which is a full-featured VBScript language plugin for IntelliJ in Java. Produce source code and log file analysers for several log formats in Scala. <b>Replace</b> an uncertain <b>Java</b> web scraper for Impressum pages having <b>30 000 lines of Java</b> code. Doing so developing a new web scraper in Scala Parser Combinators having only <b>2 000 lines of Scala</b> code. <b>Teach Scala</b> for a Python Developer during the web scraper development.</p> <p>Develop server systems using Spring and Java EE for <b>hotels.com</b>, <b>expedia.com</b> <b>Vodafone</b> and <b>Panasonic</b>. Technical Lead and Scrum Master of Android app developed for <b>Volkswagen</b> . Led a team of outsourced developers developing Scan/Print extension for <b>Samsung/Ricoh</b>. Do Deployment and CI using Kubernetes, Prometheus, Grafana, Ansible, Terraform, Datadog and Heroku. Doing it on Kubernetes Cluster on physical machines and on Google Cloud.</p> <p><b>Continuously learn</b> using Code Retreat, Code Kata, hackerrank.com and adventofcode.com.</p>		
<b>Mentoring and Teaching</b>	<p>Increase the knowledge of fellow software developers focusing on the following areas. <b>Teach Scala</b> and Design Patterns in 6 weeks in Tigra Kft. Give 2 days Design Patterns and SOLID Design Principles workshop for Java Developers in CCC in the Szeged Office and in the Budapest Office. Give a training with similar content for Java Developers of EPAM Systems. Give CI + Build Management 5 days and MSTest 3 days workshop in EPAM Systems. Give Clean Code Training for Java Developers of CAS Software AG and Factory Creative Studio. Teach how to use the than new JUnit during Java Pair Programming.</p> <p>Teach <b>Scala</b> and <b>Java</b> at <b>University of Szeged</b> for 3 semesters. Author “<a href="#">Java Tips Tricks and Techniques</a>” <b>Video Training Course for PACKT</b> about Functional Programming in Java.</p>		
<b>Head of Software Development</b>	<p><b>Hire talented developers supporting rapid expansion</b>. Make several PHP developer teams to be more effective. <b>Negotiate technical details</b> and budget with customers from US, UK, Finland, Germany, France and Hungary. Grow <b>Java</b> Play Framework <b>developer team</b> from existing PHP developers. Plan and supervise releases, QA and subcontractors. Oversee JIRA and other ticketing systems, Confluence and other documentation systems.</p>		
<b>Certificates</b>	<p>Architecting with <b>Google Cloud</b> Kubernetes Engine, JTGDF48E347G, Coursera 2021  Effective Programming in <b>Scala</b>, CR2PMLJYBL33 , Coursera, 2022  Functional Programming Design in <b>Scala</b>, KANPR76BKVGL, Coursera 2021  Functional Programming Principles in <b>Scala</b>, T9A2BXXG2NM4, Coursera 2017  Problem Solving (Gold, 5 stars) Certificate, <a href="https://hackerrank.com/jseteny">hackerrank.com/jseteny</a>  <b>English</b> language, <b>C1</b> level, Credential ID 0151036, <b>telc GmbH</b> 2015</p>		

Scala Related Experience			
Technologies	Effect Systems, REST, Parser Combinators, DSL development using Scala, HTML, CSS, JavaScript, JSON, YAML, Swagger, JEE, Spring, JMX, JMS, RMI, XML, Big Data.		
Tools	ZIO, Quill, sbt, GitLab, GitHub, ArgoUML, ZIO Test, ScalaTest, MUnit, Scover, WildFly, GrammarKit, ANTLR, JMeter, JUnit, Mockito, Gradle, Maven, SLF4J, Apache Spark.		
Databases	PostgreSQL, MariaDB, MySQL, Couchbase NoSQL DB, Oracle 10g, Microsoft SQL Server.		
Other Experience			
.NET	ASP.NET MVC, WinForms, MSTest, user account, network and OLE2 handling.	Python	Machine Learning, Jupyter Notebook.
Ruby	Ruby on Rails, Devise, Sidekiq, Cucumber, Macros4Cuke.	C/C++	STL, CppUnit, Binary parsers, plugins, Template engine, 2D vector graphics.
Education			
Software Engineer, Bsc	University of Szeged	Soft Skills Trainings	MATT Consulting Kft.
Scrum Master Training	EPAM Systems Ltd.	Scrum Workshops	Adaptive Consulting
References			
2024 -	Invia.com, Senior Scala Developer, fully remote Microservices for hotel data import from Giata sources and backend for hotel booking.		
2023 - 2024	Arteris IP, France, Senior Scala Developer Contractor, partly remote Verilog Code Generator system for hardware designers with extensive test system development.		
2021 - 2023	Morgan Stanley, Senior Scala Developer Contractor, fully remote Distributed financial applications and Microservices.		
2016 - 2021	Tigra Kft., Software Architect, partly remote Big Data research project in Scala. Developer tools in Scala. Scan/Print extension in Android. Microservices in Kubernetes using OpenShift. Ruby on Rails systems.		
2016 - 2018	University of Szeged, Teacher Java and Scala for BSc and MSc students. 3 semesters, 14 weeks each semester.		
2012 - 2016	CAS Software Kft., Software Engineering Manager and Software Architect Web scraper in Scala. CRM apps for Volkswagen in Android. VBScript plugin for IntelliJ.		
2011 - 2012	Factory Creative Studio, Head of Development Source Code Refactoring project with 5 partner companies in Java. Web sites in PHP and Java.		
2010 - 2011	EPAM Systems Ltd., Lead Developer New back-end core for expedia.com in Java. Features and bug fixes in Java for hotels.com.		
2000 - 2010	CCC Software House Oy, Finland and Hungary, Senior Specialist Java J2EE Server for Vodafone. Java Mobile phone planning system for Nokia. CRM Web App for Empower Oy in C#. Planning and Inventory application for Abloy Oy in C++.		
1992 - 2000	Wissen Hungary Kft., Developer Vector graphics app, plotter driver in C++. DSTV files and Oracle DB Handling in Delphi.		