

János Setény	jseteny@gmail.com	+36 30 686 6156	<a href="https://github.com/scala-szeged">github.com/scala-szeged</a>
Certificates			
<ul style="list-style-type: none"> <li>• <b>Kafka</b> Fundamentals, O6QDVRY7XCWH, Coursera 2025</li> <li>• Architecting with <b>Google Cloud Platform</b>, Kubernetes, JTGDF48E347G, Coursera 2021</li> <li>• Effective Programming in <b>Scala</b>, CR2PMLJYBL33, Coursera 2022</li> <li>• Functional Programming Design in <b>Scala</b>, KANPR76BKVGL, Coursera 2021</li> <li>• Functional Programming Principles in <b>Scala</b>, T9A2BXXG2NM4, Coursera 2017</li> <li>• <b>Algorithms</b> and Problem-Solving (Gold, 5 stars) Certificate, <a href="https://hackerrank.com/jseteny">hackerrank.com/jseteny</a></li> <li>• <b>English</b> language, <b>C1</b> level, Credential ID 0151036, telc GmbH 2015</li> </ul>			
Responsibilities			
<b>Lead Developer</b>  <b>and</b>  <b>Senior Developer</b>	<ul style="list-style-type: none"> <li>• Increases the effectiveness of <b>traders in London</b> by developing new financial features for <b>Morgan Stanley</b> in daily cooperation with the traders. Achieves high parallelisation of the algorithms using <b>Scala</b> Functional Programming. Participate in on-call rotation and maintenance. Collaborate with <b>teams</b> in <b>UK</b> and <b>India</b>.</li> <li>• Uses <b>Scala</b> and the following <b>functional programming libraries</b>: Http4s, fs2, Refined, Doobie, Quill, ScalaTest, Scoverage, ZIO Effect System, ZIO Metrics, ZIO Config. Develops <b>scaleable</b> Microservices including unit tests and Docker based integration tests. Works with <b>team</b> members in <b>Germany</b>.</li> <li>• Produces <b>maintainable code</b> using <b>Agile practices</b>, Design Principles and Clean Code. Carries out development <b>Test-first</b>, business logic first and avoiding accidental complexity. Chooses <b>simplicity instead of easiness</b> of the implementation. Does Pair Programming.</li> <li>• Implements <b>CRM mobile apps</b> for Volkswagen and Scan/Print mobile apps for Nuance in <b>Android</b>.</li> <li>• Implements <b>analytics</b> using <b>AWS</b> QuickSight BI. Prepare data with Jupyter and Marimo Notebook, Pandas, NumPy, VS Code Data Wrangler.</li> <li>• Using <b>Open Telemetry</b> creates detailed <b>Grafana</b> dashboard. On the dashboard incoming and outgoing API request percentiles, success and error rates, database and other resource usages, Kubernetes pod starts and stops helps to measure system performance.</li> <li>• Leads Big Data research project using <b>Scala</b>, <b>Spark Machine Learning</b> Prediction Algorithms, Hadoop, H2O, Highcharts and other data visualization components.</li> <li>• Discovers possibly useful new <b>features</b> and provides <b>analysis</b> results for the product team. Creates design documents, Data flow and System Design Diagrams.</li> <li>• <b>Designs</b> APIs, microservice integration and transfer protocol. Document pros and cons.</li> <li>• Does <b>code review</b>, requirement, feasibility and risk analysis. Plans, executes and supervises code refactoring.</li> </ul>		
<b>Technology expert</b>	<ul style="list-style-type: none"> <li>• <b>Replaces</b> an inaccurate Java web scraper for Impressum pages having <b>30 000 lines of Java</b> code. Does so developing a new accurate web scraper in Scala Parser Combinators having only <b>2 000 lines of Scala</b> code. It took 6 man-months and replaced the solution developed during 27 man-months.</li> <li>• <b>Increases developer productivity</b> by developing an <b>IDE Plugin</b>, which is a full-featured language plugin for IntelliJ. Develops C to Java <b>transpiler</b>. Produces source code and log file analyzers for several log formats in Scala.</li> <li>• <b>Increases the knowledge</b> of fellow developers giving trainings and workshops, focusing on the following areas: <b>Scala language</b>, best practices, SOLID Design Principles, CI + Build Management, JUnit, CppUnit, MStest, Clean Code.</li> <li>• Teaches <b>Scala</b> and <b>Java</b> at <b>University of Szeged</b> for 3 semesters.</li> <li>• <b>Author</b> of “<a href="#">Java Tips Tricks and Techniques</a>” Video Training Course for <b>PACKT</b> about <b>Functional Programming</b>.</li> </ul>		

Scala Related Skills			
Technologies	Cloud systems including Google GCP and AWS, REST, Cats Effect, ZIO, Parser Combinators, DSL development using Scala, Big Data, Kubernetes, Docker, HTML, CSS, TypeScript, JSON, YAML, Open API, Spring, J2EE, JMX, JMS, RMI, XML, XSLT.		
Tools	Kafka, Jira, Confluence, Apache Spark, sbt, ScalaTest, MUnit, ZIO Test, Scover, Http4s, fs2, Quill, ArgoUML, GitLab, GitHub, WildFly, GrammarKit, ANTLR, JMeter, JUnit, Gradle, SLF4J.		
Databases	Couchbase NoSQL DB, PostgreSQL, MariaDB, MySQL.		
Other Skills			
Python	FastAPI, Jupyter Notebook, Pandas, NumPy.	GO	Goroutines, Channels, sqlc, gorm, text/template
Ruby	Ruby on Rails, Devise, Sidekiq, Cucumber, Macros4Cuke.	.NET, C#	ASP.NET MVC, WinForms, MSTest, user account, network and OLE2.
Education			
Software Engineer, Bsc	University of Szeged	Soft Skills Trainings	MATT Consulting Kft.
Scrum Master Training	EPAM Systems Inc.	Scrum Workshops	Adaptive Consulting
Experience			
Jan 2024 -	Invia.com, Backend Scala Developer, fully remote Giata Hotel data import <b>Microservices</b> . Hotel booking <b>Backend</b> development and <b>DevOps</b> .		
Jun 2023 - Dec 2023	Arteris IP, France, Senior Software Engineer (Scala), partly remote contractor Verilog Hardware System code generator with extensive test system development.		
Apr 2021 - May 2023	Morgan Stanley, Backend Scala Developer, fully remote contractor Distributed financial applications and Microservices. Small <b>Devops</b> tasks.		
Jun 2016 - Mar 2021	Tigra Kft., Software Architect, partly remote <b>Big Data</b> research project in <b>Scala</b> . <b>Devops</b> tasks in <b>Go</b> , Ansible and Linux Shell on <b>Kubernetes</b> and Red Hat Linux VMs. Scan/Print <b>Android</b> apps. <b>Ruby on Rails</b> web apps.		
Sep 2016 - Dec 2018	University of Szeged, Teacher <b>Scala</b> and Java for BSc and MSc students. 3 semesters, 14 weeks each semester.		
Nov 2012 - May 2016	CAS Software AG., Software Engineering Manager and Software Architect Web scraper in <b>Scala</b> . CRM apps for Volkswagen in <b>Android</b> . VBScript <b>plugin for IntelliJ</b> .		
Nov 2011 - Oct 2012	Factory Creative Studio, Head of Development, Engineering Manager Source Code Refactoring project with 5 companies in <b>Java</b> . Web sites in PHP and <b>Java</b> .		
Aug 2010 - Oct 2011	EPAM Systems Inc., Lead Developer New back-end core for expedia.com in <b>Java</b> . Features and bug fixes in <b>Java</b> for hotels.com.		
Aug 2000 - Jul 2010	CCC Software House Oy, Finland and Hungary, Senior Specialist Web App for Empower Oy in <b>.NET C#</b> . <b>Java J2EE</b> Server for Vodafone. <b>Java</b> Mobile phone planning system for Nokia. Planning and Inventory application for Abloy Oy in <b>C++</b> .		
Jul 1992 - Jul 2000	Wissen Hungary Kft., Developer Vector graphics app, plotter driver in <b>C++</b> . DSTV handling and Oracle DB Handling in <b>Delphi</b> .		