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Certificates

- Architecting with **Google Cloud Platform,** Kubernetes, JTGDF48E347G, Coursera 2021
- **Problem-Solving** (Gold, 5 stars) Certificate, hackerrank.com/jseteny
- **English** language, **C1** level, Credential ID 0151036, **telc GmbH** 2015
- Effective Programming in **Scala**, CR2PMLJYBL33 , Coursera, 2022
- Functional Programming Design in **Scala**, KANPR76BKVGL, Coursera 2021
- Functional Programming Principles in **Scala**, T9A2BXXG2NM4, Coursera 2017

Responsibilities

Lead Developer **and** **Senior Developer**	• As a Lead Developer designs and implements an **energy sector** Sector Web App for Empower Oy with a team of 6 developers. Earns high level of trust from the customer by conducting the original estimation and finishing the app on schedule. • Develops **cutting-edge** Microservices including unit tests and Docker based integration tests for Invia.com. Uses **Scala** and **the following functional programming libraries** during the implementation: Http4s, fs2, Refined, Doobie, Quill, ScalaCheck, Scoverage, ZIO Effect System, ZIO Metrics, ZIO Config. • Achieves scaleability, traceability, fault tolerance and built in performance measurement using **Kubernetes**, Prometheus and Grafana. • Creates **detailed Grafana dashboard** displaying incoming and outgoing API request percentiles, success and error rates, database and other resource usages, Kubernetes pod starts and stops. • Deploys using GitLab and GitHub Actions, ArgoCD **DevOps** system which stores the configuration in version control. • Increases the effectiveness of **traders in London** by developing new financial features **for Morgan Stanley** in daily cooperation with the traders. Achieves high parallelisation of the algorithms using Scala **Functional Programming.** Participate in on-call rotation and maintenance. Works closely with **cross-functional teams** in several projects. • **Replaces** an inaccurate Java web scraper for Impressum pages having **30 000 lines of Java** code. Does so developing a new accurate web scraper in Scala Parser Combinators having only **2 000 lines of Scala** code. It took 6 man-months and replaced the solution developed during 27 man-months. • Develops using **Agile practices**, Design Principles and Clean Code. Carries out development **Test-first**, business logic first and avoiding accidental complexity. Chooses **simplicity instead of easiness**. • **Designs** APIs, Software Layers, cooperation of the layers, exception handling strategy and transfer protocol. • Does **code review**, requirement, feasibility and risk analysis. Plans and supervises refactoring. • Increases developer productivity by developing an **IDE Plugin,** which is a full-featured language plugin for IntelliJ in Java. Develops C to Java **transpiler**. Produces source code and log file analysers for several log formats in Scala. • Using **OWASP** makes the necessary modifications of Web Apps to pass security test.
Mentoring and Teaching	• Increases the knowledge of junior developers focusing on the following areas. • **Teaches Scala**, best practices and Design Patterns in 6 weeks in Tigra Kft. Gives 2 days Design Patterns and SOLID Design Principles workshop for Java Developers in CCC **in the** Szeged **Office** and in the Budapest Office. Gives a training with similar content for Java Developers of EPAM Systems Inc. Gives CI + Build Management 5 days and MSTest 3 days workshop in EPAM Systems Inc. Gives Clean Code Training for Java Developers of CAS Software AG and Factory Creative Studio. • Teaches fellow developers how to use the than new JUnit during Java Pair Programming. • Teaches **Scala** and **Java** at **University of Szeged** for 3 semesters. • **Author** of "Java Tips Tricks and Techniques**"** Video Training Course **for PACKT** about **Functional Programming** in Java.

Scala Related Skills

Technologies	Cats Effect, ZIO, REST, Parser Combinators, DSL development using Scala, HTML, CSS, JavaScript, JSON, YAML, Swagger, J2EE, Spring, JMX, JMS, RMI, XML, Big Data, Docker, JVM, Cloud systems including Google GCP and some AWS experience.
Tools	Http4s, Doobie, fs2, Quill, ZIO Test, sbt, GitLab, GitHub, ArgoUML, ScalaTest, MUnit, Scover, WildFly, GrammarKit, ANTLR, JMeter, JUnit, Mockito, Gradle, Maven, SLF4J, Apache Spark.
Databases	PostgreSQL, MariaDB, MySQL, Couchbase NoSQL, Oracle10g RDBMS, MS SQL Server.

Other Skills

.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 Inc.	**Scrum Workshops**	Adaptive Consulting

Experience

Jan 2024 -	**Invia.com, Senior Software Engineer (Scala), fully remote** Giata Hotel data import **Microservices**. Hotel booking **Backend** development and **DevOps**.
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, Senior Software Engineer (Scala), fully remote contractor** Distributed financial applications and Microservices. Small **Devops** tasks.
Jun 2016 - Mar 2021	**Tigra Kft., Software Architect, partly remote** **Big Data** research project in **Scala**. **Devops** tasks in **Go**, Ansible and Linux Shell on **Kubernetes** and Red Hat Linux VMs. Scan/Print **Android** apps. **Ruby on Rails** web apps.
Sep 2016 - Dec 2018	**University of Szeged, Teacher** **Scala** 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 **Scala.** CRM apps for Volkswagen in **Android**. VBScript **plugin for IntelliJ**.
Nov 2011 - Oct 2012	**Factory Creative Studio, Head of Development, Engineering Manager** Source Code Refactoring project with 5 companies in **Java**. Web sites in PHP and **Java**.
Aug 2010 - Oct 2011	**EPAM Systems Inc., Lead Developer** New back-end core for expedia.com in **Java**. Features and bug fixes in **Java** for hotels.com.
Aug 2000 - Jul 2010	**CCC Software House Oy, Finland and Hungary, Senior Specialist** Web App for Empower Oy in **.NET C#. Java J2EE** Server for Vodafone. **Java** Mobile phone planning system for Nokia. Planning and Inventory application for Abloy Oy in **C++**.
Jul 1992 - Jul 2000	**Wissen Hungary Kft., Developer** Vector graphics app, plotter driver in **C++.** DSTV handling and Oracle DB Handling in **Delphi**.