Dmytro Brazhnyk
Software Architect/Principal Software Engineer

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- Results-driven expert with over 16 years of experience and a strong background in developing reliable and scalable software solutions.
- Demonstrated expertise in full-stack development, including frontend, backend, database and cloud technologies.
- Skilled in agile methodologies and cross-functional collaboration to deliver high-quality products.
- Awards and recognition in national-wide algorithmic contests affirm standing among 1% (0.18% precisely) of topmost proficient computer scientists.
- Deep understanding of software engineering principles, algorithms, data structures and system architecture.
- Strong problem-solving abilities and a passion for staying up-to-date with emerging technologies.
- Committed to delivering excellence through clean code, best practices, and continuous learning to drive business to success.
- Master's degree in Artificial Intelligence
- Passionate about computer graphics algorithms and GPU accelerated technologies.
- Exceptional skills in Mathematics

Employment Summary

- Contractor Software Engineer at Walmart, Feb 2024 - now
- Architect/Cloud Developer at Mastech Digital, May 2023 – Feb 2024
- Cloud Software Architect at Carbo Ceramics, Jan 2023 – May 2023
- Lead Software Engineer/Solution Architect at EPAM, Sep 2012 – Jan 2023
- Lead Full Stack Software Engineer at Astound Commerce, Jan 2012 – Sep 2012
- Senior Java Full Stack Software Engineer at TeamDev, Sep 2008 – Jan 2012
- Java Full Stack Software Engineer at SoftLine, Apr 2007 – Sep 2008

Education Summary

- Master's degree in Artificial Intelligence
  Kharkiv National University of Radio Electronics, Ukraine, 2017
- Bachelor's degree in Computer Science
  Kharkiv National University of Radio Electronics, Ukraine, 2009

Awards

- 2014 - Hackathon - best computer game award for Quantum game (Led a team to success)
- 2005 – 3rd place(bronze) award in country wide Student Olympiad in the discipline "Informatics" in the category of computer science
- 2003 - 1st place award in regional Informatics Olympiad for 11th school grade.
- 2003 - Selected as the top 15 best in Kharkiv Oblast Informatics Olympiad before the All-Ukraine stage.
- 2002 - 1st place award in regional Informatics Olympiad for 10th school grade.
- 2001 - 3rd place award in regional Informatics Olympiad for 9th school grade.

Training & Certifications

- 2023   TensorFlow and Machine Learning Udemy online courses
- 2019 - CloudFroundry on edX
- 2018 - Certified AWS Solution Architect
- 2018 - AWS Solution Architect Udemy online courses
- 2018 - EPAM Software Architecture School training
- 2011 - Demandware ecomm training

Technical Proficiencies

Languages:	**Primary experience**: Java, Kotlin, Scala, JavaScript (TypeScript), Python, C++ and Rust Lang. **Markup languages:** HTML(CSS), JSON, XML, YAML, MD, etc. <u>Basic knowledge:</u> Assembler x86, C#.NET, Lisp, Go Lang, Verilog(VHDL), Pascal, VB6.
Java Stack:	Spring Boot, Project Reactor, Spring MVC(WebFlux), Apache Struts, Spring Data, Hibernate, JPA, MyBatis, J2EE, JAX-RS, sl4j, JDBC, Swagger, GraphQL, ProtoBuf(gRPC), SOAP, Camel ESB, Junit, Mockito, EasyMock, Apache Spark, Maven, Gradle.
Rust Stack:	serde, serde-json, actix-web, azure_core, azure_data_cosmos, tracing, tracing-actix-web
C++ Stack	stl, atl/mfc, zeromq, boost, opencv, Eigen, numpy, ffmpeg, GTest, protobuf, OpenGL(glfw, glew), DirectX, CMake
Python Stack and AI/ML/Data Science	PySpark, Pandas, Numpy, TensorFlow(Keras), PyTorch, Jupyter Notebook, Azure ML, pandas, scikit-learn, matplotlib.
Front-End Stack:	React, Angular, WebRTC, WebGL(GLSL), WebSocket, Swing,
Microservices:	Spring Boot Cloud, Kubernetes, Docker, Linkerd, Istio
Data Architecture:	<u>SQL:</u> PostgreSQL, Oracle, MySQL, SQL Server(MS SQL), MongoDB. <u>NoSQL:</u> CosmosDB, Cassandra, Elastic Search, Redis, Gemfire. <u>MR/ETL:</u> Spark, PySpark, Confluent, Flink, ETL Talend, Azure Data Factory, DeltaLake
Cloud Architecture:	Certified AWS SA Architect. Experience with Azure. Deep knowledge of Kubernetes. Azure Blob, AWS S3, AWS DynamoDB, Azure Databricks, AWS EC2, Azure AKS, AWS SQS. Docker. PaaS, Pivotal Cloud Foundry, AWS Lambda, Heroku.
CI/CD/IaaC:	Jenkins, Helm, Terraform, SonarQube, Git, GitHub, GitLab, BitBucket, SVN, Mercurial
System Monitoring:	ELK(ElasticSearch/Logstash/Kibana), Grafana/Prometheus, Splunk
Cyber Security:	JWT/JWE, SAML, OAUTH 2.0, OWASP TOP 10, X509, mTLS, Azure WAF, Azure Defender
Methodologies	Agile, Scrum, Kanaban, TOGAF, UML, C4 model, 12 Factor, DDD, TDD, XP, CI/CD, SOLID/GRASP/GoF. Uncle Bob's clean code.