

Grzegorz Kozub

SOFTWARE ENGINEER · JAVA DEVELOPER

Kraków, Poland

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Work Experience

Guidewire Software Inc.

Kraków

SOFTWARE ENGINEER

Feb. 2016 - Present

- Developed the solution for sharding monolith application in Cloud environment using AWS (EC2, S3, ECR, RDS), Docker and Kubernetes.
- Prototyped and built several microservice applications using Java 11, Spring Boot, Groovy, PostgreSQL, Redis and TeamCity.
- Designed and developed a solution for automated transformation of Electronic Rating Content with Java8, Spring and Antlr.
- Implemented several solutions for processing and customising algorithms and data structures transformed by the application.
- Improved efficiency of process by managing CI/CD pipelines on GoCD and optimizing used libraries.

Cherry Pick Sp. z o.o.

Kraków

JAVA EE DEVELOPER

Feb. 2015 - Nov. 2015

- Developed web-based enterprise solution for multimedia content management using Java EE 7, Primefaces, PostgreSQL, Hibernate and WildFly.
- Implemented new features for the financial reporting application using Spring, JSP, Bootstrap and MySQL.
- Maintained a production Java application and provided technical support for clients.
- Prototyped, designed and implemented a server-side of web/mobile application for video streaming based on RESTful web service using J2EE technologies.

Softnet Sp. z o.o.

Kraków

SOFTWARE DEVELOPER

Sep. 2013 - Jan. 2015

- Implemented financial reporting web applications for cooperative banking institutions using Java EE 6, Vaadin, Oracle Database, Hibernate, Glassfish, JasperReports
- Developed monitoring and alerting software for bank supervisors.
- Supported implementation and maintenance of Java application as technical advisor.

Softnet Sp. z o.o.

Kraków

SOFTWARE DEVELOPER INTERN

Jul. 2013 - Aug. 2015

- Developed CRM software using Java, Hibernate, Oracle Database and PL/SQL

Skills and Competencies

Back-end Programming: Java SE 11, Spring, Spring Boot, Hibernate, Groovy, Kotlin, Python, SQL, PL/SQL.

Front-end Programming: HTML, CSS, JavaScript, React.

Database systems: PostgreSQL, MySQL, Oracle, MongoDB, Redis

Cloud Computing / Containerization: AWS, Docker, Kubernetes.

Build tools / CI&CD: Maven, Gradle, TeamCity, GoCD.

Version Control: Git, SVN.

Testing: JUnit, Mockito, Spock, AssertJ, Checkstyle, CodeNarc, SonarCube.

Others: REST, Linux, IntelliJ IDEA, Jira.

Education

Cracow University of Technology

Kraków

M.Sc. IN COMPUTER SCIENCE

Mar. 2015 - Sep. 2016

- Thesis title: Architecture of distributed web application based on microservices.

AGH University of Science and Technology

Kraków

B.Sc. IN COMPUTER SCIENCE

Sep. 2011 - Feb. 2015

- Thesis title: Design and implementation of educational mobile application for analysis of sentence.

Languages

Polish: Native language.

English: Professional working proficiency.

Honors & Awards

INTERNATIONAL

2018	Finalist , DEFCON 26th CTF Hacking Competition World Final	Las Vegas, U.S.A
2017	Finalist , DEFCON 25th CTF Hacking Competition World Final	Las Vegas, U.S.A
2014	Finalist , DEFCON 22nd CTF Hacking Competition World Final	Las Vegas, U.S.A
2013	Finalist , DEFCON 21st CTF Hacking Competition World Final	Las Vegas, U.S.A
2011	Finalist , DEFCON 19th CTF Hacking Competition World Final	Las Vegas, U.S.A

DOMESTIC

2015	3rd Place , WITHCON Hacking Competition Final	Seoul, S.Korea
2017	Silver Prize , KISA HDCON Hacking Competition Final	Seoul, S.Korea
2013	Silver Prize , KISA HDCON Hacking Competition Final	Seoul, S.Korea

Presentation

DevFest Seoul by Google Developer Group Korea

[Seoul, S.Korea](#)

PRESENTER FOR <HOSTING WEB APPLICATION FOR FREE UTILIZING GITHUB, NETLIFY AND CLOUDFLARE>

[Nov. 2017](#)

- Introduced the history of web technology and the JAM stack which is for the modern web application development.
- Introduced how to freely host the web application with high performance utilizing global CDN services.

6th CodeEngn (Reverse Engineering Conference)

[Seoul, S.Korea](#)

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>

[Jul. 2012](#)

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

Courses and Certificates

A Guide for Developers in Start-up

[Facebook Page](#)

FOUNDER & WRITER

[Jan. 2015 - PRESENT](#)

- Drafted daily news for developers in Korea about IT technologies, issues about start-up.

Program Committees

2016	Problem Writer , 2016 CODEGATE Hacking Competition World Final	S.Korea
2013	Organizer & Co-director , 1st POSTECH Hackathon	S.Korea

Extracurricular Activity

PoApper (Developers' Network of POSTECH)

[Pohang, S.Korea](#)

CORE MEMBER & PRESIDENT AT 2013

[Jun. 2010 - Jun. 2017](#)

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

PLUS (Laboratory for UNIX Security in POSTECH)

[Pohang, S.Korea](#)

MEMBER

[Sep. 2010 - Oct. 2011](#)

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.