

# 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

### POSTECH(Pohang University of Science and Technology)

Pohang, S.Korea

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Mar. 2010 - Aug. 2017

- Got a Chun Shin-Il Scholarship which is given to promising students in CSE Dept.

## Honors & Awards

### INTERNATIONAL

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

### DOMESTIC

2015 **3rd Place**, WITHCON Hacking Competition Final  
2017 **Silver Prize**, KISA HDCON Hacking Competition Final  
2013 **Silver Prize**, KISA HDCON Hacking Competition Final

Seoul, S.Korea  
Seoul, S.Korea  
Seoul, S.Korea

## Presentation

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### 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

## Writing

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### 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

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

S.Korea

S.Korea

## Extracurricular Activity

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### 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.