KRIZTOPER D. URMENETA

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WORK EXPERIENCE

ORANGE AND BRONZE SOFTWARE LABS, INC.   *Makati City, Metro Manila*
Associate Java Enterprise Engineer   *Feb 2020 - Present*
- Optimized features with query run-time usually from ~1 min to 3-4 sec.
- Prevented 2 attempted exploits to the server by alerting the team of the vulnerabilities.

PRIMARY SOFTWARE DEVELOPMENT CORP   *Cebu City, Cebu*
Research and Development Intern   *Jun 2017 - Jul 2017*
- Demonstrated a framework with 2 other tools the developers applied to rapid application development.
- Developed prototypes and 1 major application using the framework with teammates.

SKILLS

(Development): Java, J2EE, Oracle ADF, JSF, Spring, Spring Boot, HTML5, CSS3, Javascript
(Databases): Oracle PL/SQL, MySQL, PostgreSQL **(Cloud):** AWS, Amazon EC2, Amazon S3, Amazon RDS
(Persistence): EclipseLink, JPA, Hibernate **(Testing):** JUnit, Cucumber, Capybara
(OS): Ubuntu Linux/Unix, Windows **(SDLC):** OOP, REST, JSON, Microservices, UML, Agile, Jira, Confluence
(Server): Weblogic, Tomcat **(DevOps):** Git, Maven, Jenkins, SonarQube, Bitbucket, Github, Gitlab

EDUCATION

UNIVERSITY OF THE PHILIPPINES VISAYAS TACLOBAN COLLEGE   *Tacloban City, Leyte*
Bachelor of Science in Computer Science   *Aug 2014 - Jun 2019*
Relevant Coursework: Software Engineering; Databases; Algorithms; Data Structures; Operating Systems

CERTIFICATIONS AND TRAININGS

Philippine National IT Standards Level 2 FE(Fundamental IT Engineers) Certification Exam
https://www.philnits.org/ passers201510.html#Oct2017FE   *Oct 2017*
- A government-certified IT fundamentals exam based on Japan's biggest IT engineers standard exam.

Combined Spring and JPA/Hibernate Training
https://kriztoper.github.io/assets/img/OnB-CSJHT-certificate.png   *Dec 1-4, 7, 2020*
- Hands-on training on Spring framework including Spring Boot and data persistence frameworks.

PROJECTS

Projects Profile: *github.com/kriztoper*   *gitlab.com/krizzy*   *bitbucket.org/Kriztoper_Urmeneta*

ERP System for Pharmaceutical and Consumer Goods Distribution Company   *J2EE, Oracle ADF, PL/SQL*
- Guided and did pair programming with a new member to introduce the team convention and project structure.
- Created and managed users and user roles for each app in the system.

UPVTC Sports Equipment Inventory System (UPVTC SEIS)   *Java, JDBC, MySQL*
- Spearheaded the project with a team of 1 designer and 2 developers.
- Implemented reporting tools for displaying reports of the program after every 1 or 2 months.

Connect 4 vs AI Game   *Java*
- Created a normal AI which can beat an average player by at least 20 over 50 games.
- Decreased the number of moves evaluated by over 30% through alpha-beta pruning.

CPU and Disk Scheduling Algorithm Visualization   *Java, JavaFX*
- Prevented deadlocks by ~90% in the allocation of CPU memory.
- Initiated real-time visualizations with near 0 delays on all windows.

Image Compression using Huffman Coding   *Java*
- Performed compression on grayscale images by ~20% through converting pixel frequency to bit strings.
- Optimized the whole compression process down to <2 seconds by using hashing techniques.

EC Programming Language   *Java, JUnit*
- Collaborated with teammates on the full design of the grammar rules with at least 12 language features.
- Initiated unit testing that removed manual testing, which operates in <1 sec. on language validation.