

RAJESH UPADHAYAYA

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EXPERIENCE

Software Developer

Apr. 2022 - Present

Noventum Custom Software | Albuquerque, NM

- Upgraded the Java version to Java 11 which resolved issues with **CI/CD** tool (CloudBees Codeship), enabling the execution of **568 Junit** tests on every commit and automating email notifications to the team in case of any test failures
- Rewrote the **Spring Podio library** to support long data types, culminating in its successful integration as a module which enables seamless compatibility with the upgraded version of Podio, ensuring optimal support for their application
- Implemented **Elasticsearch** as an advanced analytical **search engine**, leveraging its geolocation feature to dynamically render venues around a provided location which results in **20%** improvement of customer satisfaction
- Streamlined local war files deployment using **Apache Tomcat**, configured **Quartz** scheduler and **RabbitMQ** worker for executing daily jobs allowing them to run these services locally, resulting in **\$500** monthly cost saving
- Technologies used: **Spring, RabbitMQ, Tomcat, Maven, Java, Agile (CloudBees Codeship), Backbone.js, jQuery**

Software Developer

Apr. 2021 - Mar. 2022

University of New Mexico | Albuquerque, NM

- Leveraged **Spring Boot**, Spring IOC (Inversion of Control) and DI (Dependency Injection) to effectively develop **RESTful** services that facilitated **CRUD** functionalities, enabling smooth connectivity with their application
- Used **Spring Boot Web** dependency to automate auto build and reload process within the application, resulting in a substantial decrease in deployment and reload time, thus enhancing development efficiency
- Leveraged the **AWS SDK Java** library to implement an **Amazon S3 bucket**, enabling smooth uploading and rendering of images from the S3 bucket. This integration resulted in a notable improvement in the application's image performance
- Technologies used: **Spring Boot, AWS, S3 bucket, REST, Apache Kafka, Underscore.js, Angular, Moment.js**

Software Developer Intern

May 2020 - Feb 2021

SoftBenzInfosys | Kathmandu, Nepal

- Coordinated and collaborated in developing a homeless management system using **Django, PostgreSQL, Cookiecutter, Crispy forms** and **Allauth** which improve efficiency by 40 % in tracking shelter availability..
- Achieved re-imaging and wiping of **800** computer hard drives utilizing network interface card and **ShredOS** and conforming to the **Department of Defense** wiping standard for heightened data security.
- Technologies used: **Django, PostgreSQL, AllAuth, Bootstrap, ShredOS, JIRA, Amazon SES, Route 53**

EDUCATION

University of New Mexico | Bachelor of Science in Computer Science

- **GPA:** 3.75/4.0
- **Coursework:** Data Structure and Algorithm, Machine Learning, Design of large program, Software Engineering

SKILLS

Programming Languages: Java/J2EE, Python, PHP, HTML, CSS, JavaScript, SQL, MongoDB, Cassandra, Hibernate, H2

Frameworks/Libraries: Spring Boot, JDBC, JPA, Junit, ReactJS, Node.js, jQuery, Bootstrap, Django, Pandas, Bootstrap

Tools/Technologies: Maven, Rest API, Microservices, Oracle DB, AWS, S3, Linux, CI/SD, Wireshark, Git, GitHub, Bitbucket, IntelliJ, XML, JIRA, MVC, Redis