

Amit Maharjan

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OBJECTIVE

Experienced Java Spring Boot Developer with 4.5 years in building scalable web applications and microservices. Skilled in Java, Spring Boot, Hibernate, and REST APIs, seeking a role to apply expertise in backend development and cloud solutions.

TECHNICAL SKILLS

Programming Languages: Java (Java 8, Java 21), Groovy, C#, Python, C, C++

Frameworks: Spring Framework, Spring Boot, Spring Security, Hibernate, Grails, ASP.NET MVC, .NET Core, Entity Framework

Front-End Technologies: HTML5, CSS3, Bootstrap, JavaScript (ES6+), jQuery, Thymeleaf, XML

Microservices: Spring Cloud, Netflix Eureka, API Gateway

Database: MySQL, SQL Server, MongoDB, Redis

AWS: Amazon EC2, Amazon RDS, AWS S3, AWS SQS, AWS IAM, Amazon Kinesis, AWS CloudWatch

Others: JWT, Apereo CAS, Git, Docker, Elasticsearch, Kibana, Logstash, Jira, Agile Methodologies, Unit Testing (JUnit, Spock, NUnit)

EXPERIENCE

East Tennessee State University

Johnson City, TN

Graduate Teaching Assistant

Aug 2023 - Present

- Instructed and facilitated labs for CSCI-1100 (Using Information Technology) and CSCI-3110 (Advanced Topics in Web Development) across 7 sections, engaging 50-100 students per section in both in-person and online formats
- Contributed to curriculum enhancements for CSCI-1100, integrating AI and digital citizenship modules that boosted student engagement by 42% and raised the average course performance from C- to B
- Provided academic support through weekly office hours, assisting 40+ students per semester and mentoring 3 new Graduate Assistants, maintaining a 4.8/5.0 student feedback rating

Cedar Gate Technologies

Kathmandu, Nepal

Lead Software Engineer

June 2022 - July 2023

- Directed the design, development, and deployment of 2 enterprise web applications and 6 plugins, meeting stringent deadlines and quality standards
- Led 8-person development team, providing technical mentorship and conducting strategic code reviews to maintain highest engineering standards
- Collaborated with cross-functional teams to define project scope, requirements, and timelines

Software Engineer

June 2019 - May 2022

- Implemented an enterprise-wide authentication system supporting 12 Cedar Gate applications with 200K+ users, leveraging Apereo CAS for Single Sign-On (SSO), Spring Security and SAML to enhance security and streamline user access
- Integrated logging and monitoring using AWS CloudWatch and ELK (Elasticsearch, Logstash, Kibana) to track authentication events and proactively address login issues
- Built a comprehensive user tracking system, generating monthly usage reports using Cronjobs and Amazon SQS, reducing data analysis time by 40%
- Increased frontend performance by 30% by implementing lazy loading, reducing initial load time & improving user experience

PROJECTS

Hotel Rating System | [GitHub Link](#) | Spring Boot, JWT, REST API, REST Template, Feign, Microservice, MySQL, MongoDB

- Developed a hotel rating system using a microservices-based approach with 3 independent services communicating via REST APIs and an API Gateway for unified service
- Deployed Eureka Server for dynamic service discovery and a centralized configuration server using GitHub
- Integrated an authentication microservice leveraging JWT tokens for secure access control via the API Gateway

RMIPSS System | ASP .NET MVC, .NET Identity, SQL Server, SMTP2go, Bootstrap, Toastr.js

- Built a web-based application for Republic of Marshall Islands Public School System to digitize IEP processes, reducing manual effort by 50%
- Integrated authentication using .NET Identity and email functionalities with SMTP2go API
- Delivered a user-friendly interface leveraging ASP.NET MVC and Bootstrap

University Recommendation System | [GitHub Link](#) | Python, Pandas, NumPy, Scikit-learn, Matplotlib, Standard Scaler

- Built a ML-based system to help international students in selecting US universities using a Kaggle dataset (53K+ entries)
- Applied Decision Tree, Random Forest, SVM, KNN, and Naive Bayes, achieving 64% precision (Decision Tree) & 89.53% recall (Naive Bayes) in admission predictions
- Provided data-driven insights into admission trends by identifying key factors like GRE scores, CGPA, and research experience

EDUCATION

East Tennessee State University

Johnson City, TN

Master's in Computer Science (Software Engineering), GPA: 4.0

Aug 2023 - May 2025

Coursework: Software Design, Software Verification & Validation, Software Production, Software Project Management

Tribhuvan University

Kathmandu, Nepal

Bachelor's in Computer Engineering, Grade: Distinction

Nov 2014 - Oct 2018

Coursework: Data Structure & Algorithm, Computer Organization & Architecture, Database Management System, Distributed System, Data Mining, Big Data Technologies