Sujan Shrestha

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Education

Aug. 2014 – May 2018	**University of Nebraska at Kearney** Bachelor's degree in Comprehensive Computer Science (CS) - Cumulative GPA of 3.95
Aug. 2019– Dec 2021	**University of Nebraska in Lincoln** Master's in Computer science and Engineering (CE) – Cumulative GPA of 3.9

Experience

2 years **Software Engineer (Research Assistant) at University of Nebraska Lincoln**.
- Developed a full stack client/server data analysis, simulation and visualization web application for UNL.
- Designed a micro-service to handle complex Object models using RestApi and SQL backend server.
- Designed a SQL server backend to store millions of data points.
- Used ORM to map Java object to the Relational tables in SQL server.
- Updated default Logging services to ELK stack.
- Executed Server management role for the back-end services.
- Languages, frameworks & tools: - **Html, jQuery, CSS, D3js, Java, Python, JS, Angular, Spring, Flask, Django, Cloud Computing, AWS EC2 etc.**

1 year **Graduate Teaching Assistant at University of Nebraska Lincoln**.
- Taught **C and C#** programming and Linux commands to class of 70+ students.
- Performed **one-one code reviews**.
- Supervised coding sessions for **OS programming**.
- Languages used: **- C, C#, C++**.

1 year **Web Software Developer at Buckle.**
- Designed and implemented client/server-based applications.
- Refactored and updated legacy systems using **OOP concepts & SOLID** principles.
- Executed spring and dependency upgrades for multiple projects,
- Developed Java/NodeJS API to connect with AWS S3 Service for storing and retrieving datastores from S3 buckets.
- Implemented AWS Solutions using EC2, S3, RDS, EBS, SQS, Elastic Load Balancer, Auto scaling groups, optimized volumes and EC3 instances.
- Designed several SQL scripts to interact with the company's main database,
- Developed unit and functional tests in Java and NodeJS.
- Used Jenkins as an AWS code deploy plug-in to deploy to AWS.
- Worked heavily on the front-end using **React & Angular.**
- Languages, frameworks & tools: -: - **Java, MySQL, PostgreSQL, Python, Vue, jQuery, VanillaJs, thyme leaf, JSP, jQuery, ELK stack, Spring, GraphQL** etc.

3months **Software Engineer intern at Paylocity**
- Refactored legacy systems using SOLID principles.
- Containerized legacy apis using docker.
- Created new secured endpoints in legacy systems.
- Languages, frameworks & tools: - **C#, .Net, SQL, Visual Studio, Kibana, RabbitMQ, Swagger.**

3 months **Web Software Developer intern at the Buckle**.
- Learned software development workflow and **SDLC**

- Designed and implemented an application using **Spring & VueJs** that helped in decision making process of moving inventories for increasing sales across USA.

Skills

Programming Languages	Java, C#, JavaScript, HTML, CSS, NodeJS, Shell Scripting, SOAP, REST
Frameworks	Spring, Spring Boot, Hibernate, MVC Architecture
CLOUD	AWS, Google Cloud, Azure
Databases	Microsoft SQL Server, Oracle, MySQL, DB2, PostgreSQL
Built Tool	Maven, Gradle
Test Framework	Junit, Mocha, Chai, Jest
Testing Tools	Cucumber, ATDD

Achievements

Buckle **Excellence Scholarship** recipient for outstanding CS students (2016-2017)
Full-Ride at University of Nebraska for Undergrad and Grad
Oracle Certified, **Java SE 8 programmer 2019**