RAMANJEET KAUR

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Summary

Detail-oriented with over 4 years of experience in the IT industry, proficient with the latest web technologies, DevOps tools and experienced in web development. Seeking a Software Engineer role to contribute to a progressive organization's success.

Technical Skills

- Languages: Java (SE), HTML, JavaScript, Python
- Web Technologies: CSS3, React, Bootstrap, SOAP, Restful API, Node JS
- Database: SQL, MySQL
- Version Control: Git, GitHub, AWS CodeCommit
- Lifecycle Methodologies: Agile, SDLC
- Debugging Tools: Chrome Developer Tools, React Dev Tools
- Development Tools: JIRA, Eclipse, Visual Studio Code, Docker, Azure Boards, Jenkins, Xcode
- Cloud Services: EC2, S3, EBS, CloudWatch, RDS, SNS, CloudFormation, Route53, Lambda, ECR, ECS
- Operating System: Linux, Mac OS, IOS, Windows
- Networking: Knowledge of TCP/IP, HTTP, VPC

Certifications

- AWS Certified Solutions Architect (SAA-C03)
- AWS Certified Cloud Practitioner

Work Experience

Application Developer| *System Soft Technologies, Toronto*   July,2021- Present

- Designed and developed web applications, gaining exposure to full-stack development methodologies and best practices.
- Created RESTful and SOAP APIs that handle 1,000 requests per second, improving data exchange efficiency by 30% and reducing integration time by 25%.
- Build responsive user interfaces using React, HTML5, CSS, and Bootstrap resulting in a 40% decrease in bounce rates and a 15% increase in user satisfaction, measured through user interaction analytics.
- Deploy and scale the web application on AWS Cloud services to meet the demands of real-time users, ensuring high availability and seamless performance for a responsive user experience.
- Gained hands-on experience with containerization using Docker for application deployment.
- Collaborate in an Agile development environment, utilizing CI/CD pipelines, like Jenkins, and embracing Test-Driven Development (TDD) to maintain application quality and performance for real-time interactions.
- Contributed to the documentation of software specifications and user guides, improving the overall clarity and usability of the developed applications.

Graduate Engineering and Design Teaching Assistant| *Carleton University, Ottawa*   Sept,2019-Feb,2020

- Assisted undergraduate students to learn basic to intermediate Java programming and enhance their fundamental understanding of core engineering concepts.
- Supported instructor with test administration, curriculum development, and grading assignments.
- Documented attendance and completed assignments to maintain full class and student records.

Software Developer | *Softwizz Pvt. Ltd, India*   Aug,2017-July,2018

- Actively participated in cross-functional Agile teams, aligning with service industry requirements, and coordinating project efforts effectively.
- Led UI development efforts, crafting user-centric interfaces using HTML5, CSS, JavaScript, and Bootstrap tailored to service industry clients.
- Demonstrated expertise in Java and the ability to adapt swiftly to evolving technology stacks, ensuring solutions met service sector demands.
- Utilized SQL databases for data extraction, manipulation, and analysis, supporting data-driven decision making.
- Upheld software quality standards through Test-Driven Development (TDD) and automated testing, meeting service industry reliability and performance expectations.
- Demonstrated adaptability by customizing development approaches to align with the dynamic requirements of the service industry.

Software Engineer | Internship, Softwizz Pvt. Ltd., India.   Nov'16-April'17
- Proficiently applied Object-Oriented Programming (OOP) principles in Java to design and develop robust, scalable software solutions.
- Collaborated closely with other developers to gain insights into best practices, leveraging their expertise to enhance my own coding skills and understanding of complex software architecture.
- Played a pivotal role in web application design, actively contributing to the creation of user-friendly and responsive interfaces that enhanced user experiences and optimized functionality.
- Demonstrated expertise in version control systems, particularly Git, ensuring efficient collaboration with team members and maintaining a well-organized codebase throughout the software development life cycle.
- Contributed to troubleshooting and debugging efforts, ensuring the rapid identification and resolution of software defects, ultimately improving the quality and reliability of our software products.

Projects

Hosting a Static Website on AWS
- Created and hosted a static Website on AWS using Amazon S3 and Amazon Route 53.
- Configured an S3 bucket for website hosting, uploaded website files, and ensured public accessibility.
- Set up custom domain using Route 53, creating DNS records, and configuring the domain to point to the S3 bucket.
- Implemented best practices for website security and performance optimization.
  Technologies Used: **Amazon S3, Amazon Route 53, HTML, CSS, JavaScript**

Invoice Processing Application
- Developed an application that is used to parse the content of the uploaded text format invoices to S3 bucket using a Python Custom Code running on a Linux 2 EC2 to convert them into CSV records.
- DynamoDB is used for retention of processed record. Converted CSV record is saved in S3 destination Bucket.
- AWS Athena is to query the CSV records to aggregate expenses grouped by data.
  Technologies Used: **Amazon S3, Dynamo DB, EC2, AWS Athena**

Desktop Application: Magazine Automation Agency
- Developed a robust Desktop Application to record data for client subscriptions using Core Java, and My SQL database.
- Designed and implemented JDBC protocol for establishing connectivity between database and Java IDE.
- Crafted a responsive front-end interface using Scene Builder
  Technologies Used: Eclipse (IDE), JavaFX library, Xampp server, Scene Builder, JAVA, SQL

Protein Lysine Methylation prediction using Neural Network Algorithm
MEng project under the supervision of Dr. James Green
- Developed a machine learning predictive model for identifying which lysine residue will be methylated for a provided site with 29 descriptors/features.
- Employed various data mining techniques such as data preprocessing, feature engineering, and classification algorithms to analyze and interpret the dataset using WEKA, a machine learning software for data mining
- Performed data loading and visualization, normalization, outlier detection, class imbalance, feature extraction, and data set partitioning.
  Technologies Used: Machine Learning, Data Mining, WEKA &MATLAB.

Additional Skills
- Strong problem-solving and analytical abilities.
- Excellent communication and interpersonal skills, with the ability to work effectively in a team environment.
- Quick learner with a passion for staying up to date with the latest technology trends.
- Detail-oriented with a strong commitment to producing high-quality work.

Education

The University of Texas in Austin   June 2023-Present
Post Graduate Program in Cloud Computing (PGPCC)
Carleton University, Ottawa   Sept'2018-Feb,2020
Master of Engineering in Systems and Computer Engineering (GPA:3.88)
Punjab Technical University, India   May'2013-April'2017
B. Tech in Electronics and Communications Engineering