Maganpreet Singh

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Software Engineer with 4 years of experience. Experience in designing, developing, scaling modern web applications and debugging software services and APIs, with ability to apply best/modern innovative solutions to solve technical problems. A curious full stack developer with a passion to grow and tackle different challenges. Strong computer science fundamentals: data structures, algorithms, design patterns. Trusted advisor to other technical staff members.

Experience

Sr. Associate Software Engineer (Claims Team)   02/2021 to present.

Duck Creek Technologies

- Led the development of a chat interface leveraging Generative AI (GPT-3.5 LLM) and Retrieval Augmented Generation (RAG) to enable employees to search internal documentation through natural language queries.
- Designing and developing a Policy Refresh functionality for Insurance Companies to enable refreshing of the Policy on their Claims system, developed all the services with supporting unit tests.
- Automated local development environment setup process: Reducing the dev environment setup from more than 24 hours to less than 3 hrs.
- Actively collaborated with the UX team to migrate the frontend of existing application and deliver within a tight deadline.

Skills/Technologies: Shell scripting, PowerShell, .Net framework, Postman, jQuery, JS, Telerik, CSS, C#, REST-ful APIs, LINQ (Language Integrated Query), Azure OpenAI, Azure AI Search, Azure AI Studio, etc.

Full Stack Developer/Intern (R&D - Security Team)   6/2019 to 02/2021

MetricStream

- Led the enhancement and deployment of Identity Provisioning and Password Policy systems. Eliminated the issuance of temporary credentials, streamlining the authentication process and reducing steps by 33%.
- Migrated the existing APIs from using GET to POST allowing greater flexibility, maintainability, and faster development for front-end applications.
- Developed a wrapper to validate data changes by tracking existing data in an encoded format.
- Optimized Logback.xml configurations to enable separate log files for each system process (SLF4J, XML).

Skills/Technologies: Java, REST-ful APIs, Spring boot, JWTs, JSP, OracleDB, Hashing (SHA-256), SQL, Gradle, OTP generation to email

Technical Skills

Languages: Java, Python, C#, C/C++, SQL, JavaScript (ES6), HTML/CSS

Frameworks/Libraries: ExpressJS, NodeJS, ReactJS, Spring, .NET.

Developer Tools: Git, Azure, VS Code, Visual Studio, IntelliJ IDEA, Postman, Docker, Kubernetes.

Education

Bachelor of Engineering in Computer Science, **GPA – 9.83/10**   08/2016 to 07/2020

Certifications

- Microsoft Certified: Azure Fundamentals (Microsoft)
- Fundamentals of Artificial Intelligence (Udacity)