Nikhil Bansal
Software Engineer

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About Me

Software Engineer with a passion for developing highly efficient, performant and well-designed programs. Experienced in developing and maintaining asynchronous microservices and different Azure Cloud Solutions.

Education

Bachelor of Technology, Computer Science *(2015-19)*
Punjab Engineering College, Chandigarh - *8.4 CGPA*

Technical Skills

Programming: C#, C++, JAVA

Web: HTML5 / CSS, TypeScript, RESTful Web Services, ReactJS and React Native

Graphics: OpenGL, GLSL

Frameworks: .NET Core, EF Core

DBMS: Microsoft SQL Server, PostgreSQL

Cloud: Azure Function Apps, Event Hubs, Kubernetes, Azure APIM

Tools & Technologies: Visual Studio, Unreal Engine, Git, Redis Cache

Awards & Achievements

- Received *Top Performer* certificate for exceeding set goals.
- Promoted within a 10-month time frame for delivering multiple quality projects on time.

Experience

Software Engineer | Senior Software Engineer
Accolite Digital, India   (Oct 2020 – Present)

- Re-engineered and modernized existing systems, to facilitate real time processing of data from MS Teams and Cisco Webex.
- Designed, developed and maintained multiple asynchronous microservices for different components for processing data, ensuring high performance.
- Rearchitected existing microservices for improved performance and better integration with other systems.
- Worked on Docker files and Azure pipeline scripts (*CI / CD* pipeline) for the microservices deployed on AKS.
- Developed multiple automated testing suites, configured to run with CI / CD pipelines.
- Developed different components using Azure services like *Azure Functions*, *Event Hubs*, *Azure APIM*, etc.
- Developed APIs providing customers with the filtered access to their data ensuring high performance and security.
- Improved the design of authentication workflow for *Infortel Select* (WebApp by ISI).
- Worked on the *Evernote* mobile apps and the middleware (*Conduit*) common for all Evernote client apps.

Software Developer Intern
Accolite Software India Pvt. Ltd.   (Jan 2018 – June 2018)

- Worked on the performance improvement for the SQL Query Plan Collector Module for IDERA's SQL Diagnostic Manager *(SQLDM)* – a .NET Application.
- Worked on SQLDM's Triage team and assisted development of two POCs involving *.NET*, *JAVA*, *EduThrill* and *AWS*.

Personal Projects

- **GraphX Rendering Engine** – A *Multithreaded 3D Rendering Engine* developed using C++, OpenGL; includes easy-to-use Rendering API, Math library and much more.
- **Lone Survivor** - *FPS Zombie game* developed using C++, Unreal Engine & Visual Studio.