Nikhil Bansal

Software Engineer

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About Me

Software Engineer with a passion for developing highly efficient, performant and well-designed softwares. 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: TypeScript, RESTful Web Services, ReactJS and React Native

Graphics: OpenGL, GLSL

Frameworks: .NET Core, EF Core, NUnit, Specflow

DBMS: Microsoft SQL Server, PostgreSQL

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

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

Awards & Achievements

- Received **Accolite Top Performer** certificate for exceeding set goals.
- Received **Accolite Best Buddy** award.
- Promoted within a 10-month time frame for exceeding set goals.

Experience

Software Engineer | Senior Software Engineer

Accolite Digital, India   (Oct 2020 – Present)

- Re-engineered the processing systems to facilitate near real time processing of high volume of data from MS Graph & Cisco Webex and storing it in MSSQL Server.
- Designed and developed multiple microservices and other components of the data processing system using Azure Cloud services like *Azure Functions*, *Event Hubs, Azure APIM*, etc.
- Designed new databases and improved design of existing databases for different microservices.
- Configured *CI / CD pipelines* using Docker files and Azure pipeline scripts for deploying microservices on AKS, publishing NuGet Packages, implementing Approval Gates etc.
- Developed multiple automated testing suites, configured to run with CI / CD pipelines.
- Actively maintaining existing components of the data processing system, including bug fixes, upgrades, code quality & performance improvements etc.
- Developed public APIs providing customers with filtered data access ensuring low latency and proper security.
- Improved the design of authentication workflow for *Infortel Select* (WebApp by ISI).
- Worked on *Evernote* mobile client apps and middleware (*Conduit*) for all *Evernote* clients, fixing bugs and adding new features for the new sync strategy (*NSync*).

Software Developer Intern

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

- Improved performance for the SQL Query Plan Collector Module for IDERA's *SQLDM* (.NET) and assisted the Triage team.
- Assisted the 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.