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 Star Performer** award three consecutive years.
- Received **Accolite Best Buddy** award.
- Promoted within a 10-month time frame for delivering quality products.

Experience

Software Engineer | Senior Software Engineer

Accolite Digital, India   **(Oct 2020 – Present)**

- Engineered a highly scalable data processing system for *Infortel* application, to facilitate near real time processing of high volume of data from MSGraph & Cisco Webex.
- Designed and developed various microservices and other cloud components for *Data Processing*, *Infortel Data Reporting, Database Maintenance*, etc. using various Azure Cloud services.
- Configured *CI / CD pipelines* using Azure pipeline scripts for deploying microservice Docker Images on AKS, publishing NuGet Packages to internal feed, etc.
- Developed automated testing suites for both frontend and backend, configured to run with CI / CD pipelines.
- Improved the processing system *Stability* and *Performance* by **4x** with various code performance improvements, database schema improvements, code quality changes, etc.
- Developed public APIs providing *Infortel* customers with filtered data access, ensuring low latency and proper security.
- Improved the authentication workflow for *Infortel Select* WebApp (by ISI), and added support for *SSO* and *MFA*.
- Working on the *Infortel Select* WebApp to add new features to the UI and integrate those with the backend services.
- 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.