

PRANAV SINGH

Software Architect

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Languages : English, Hindi

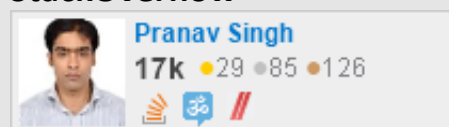
LinkedIn

[linkedin.com/in/simplyinvincible/](https://www.linkedin.com/in/simplyinvincible/)

GitHub

github.com/pranavq212

StackOverflow



Certification Badges



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Experience Summary

13.6 years of total work experience in the following fields:

- Experience of leading **multiple projects** from requirement analysis to post-implementation phases including **Design, Development, Deployment and Maintenance**.
- Experience in **full stack development** using C#, ASP.Net MVC, .Net Core 6/7, Angular, ReactJS, KnockoutJS, NUnit, Web API, WCF, SQL Server, PostgreSQL, NoSQL, Azure Logic Apps, Azure Functions, Azure APIM, BizTalk, CosmosDB, AWS Lambda, AWS API Gateway, SQS, SNS, Event grid, Event Bridge, RabbitMQ, SendGrid, MailChimp.
- Hands-on in tools like Visual Studio 2022, Azure Devops, TFS, GitHub, Gitlab, Jenkins, SVN, JIRA, Confluence, Enterprise Architect, Openlink RightAngle, Allegro ETRM, MS Project, Identity Server, IIS, Apache Tomcat, BizTalk, nginx & MS Visio.
- Good understanding **Agile, Kanban, Scrum, SAFe, UML, DevOps Enterprise Design, Microservices, Blockchain & Chaos Engineering**.
- Experience of on-premises **migration to cloud**, design & development in **Multi Cloud** including **AWS, Azure, GCP**.
- Experienced in **Agile** process in Product Backlog, Sprint/PI Planning, Agile Estimation, Scrum Ceremonies, resolving impediments, building burndown charts and velocity charts, sprint closing and retro meetings with Client, product owners & other teams.
- Experienced in **coaching team, setting up team goals and providing support to achieve them**.
- Experienced in Project Pre-Launch Studies, Defining the Project Goals, Road Map and Dependencies.
- Experienced in **Recruitment, Vendor Management and Partnering Companies** for building team.
- Experienced in Cost Optimization, Attendance Management, Team Sizing, Annual Performance, Timesheet tracking against planning v/s actual hours.
- Experienced in involving in **Pre-Sales** activities of IT Projects.
- Experienced in **onsite work & onsite co-ordination in multiple geographies**.
- Experience in REST, SOAP & JSON API, and **API management** (security, rate limiting, quotas, analytics, and subscription) with **Azure APIM, AWS API Gateway & Google APIGEE**.

Trainings and Fellowship

- **Junior Research Fellow (JRF)** at IIT, Roorkee.
- **Finishing School Program**, 2009 from IIT Roorkee.
- **Microsoft Azure, AWS, Gremlin, PMI, SAFe, API Academy Certified**.

Awards & Participation

- Among the top 3 in **SDLC Quiz Contest** held by Microsoft.
- Among top teams in **GlobalLogic Master Mind Biz Value contest**
- **Client-Focused delivery** Sapient Core-value award.
- **Client WOW Award** at 3PillarGlobal.

Educational Qualifications

- **B.Tech. (Computer Science & Engineering)** from F.E.T., G.K.V. Haridwar, U.K. (2004-2008) with 77.3%.
- **PGDBA (Marketing)** from Symbiosis Centre for Distance Learning (2009-2011) with A grade.
- **Intermediate** from CBSE Board (2004) with 83.0%.
- **High School** from CBSE Board (2002) with 81.8%.

Professional Experience

Associate Principal Engineer (Software Architect)

Apr 2021– Present

Nagarro

Nagarro is a global digital engineering company that provides services such as software product engineering, enterprise digital transformation, and customer experience consulting.

Project #1: Conditional Based Service Intervention (Failure Mode As Service)

CBSI is part of automating Plants services & operations to fully autonomous, self-diagnostic, automation of predicting failure and raise alarms based on possible predicted failure severity.

Client: Siemens Energy

Role: Technical Architect and Individual contributor

Responsibilities:

- Developing lambda functions for data integration from other services
- Developing Calculation Engine to combine multiple Lambda functions to do complex calculations.
- Developing JSON API & help UI team to integrate.
- Interaction with other teams for cross-teams dependency & design closure.
- Interacting with Client for Sprint Planning, Grooming and Requirement gathering.
- Managing the Dev, QA & Prod environments for FMaaS for multiple plants.
- Onboarding new plants to environments

Environment: AWS Lambda, PostgreSQL, C#, .Net 6.0, Entity Framework, SQS, SNS, S3, API Gateway, Event Bridge, AppConfig, Systems Manager, JSON API, AWS Fargate, Amazon Elastic Container Service, yaml, Docker

Project #2: Terminal Management System

Development of dashboard for data analytics, data entry, Simulators for testing & emulating multiple hardware systems for managing Oil & Gas tankers filling & offloading system as a part of Terminal Management.

Client: Siemens

Role: Software Architect

Responsibilities:

- Designing & development of Simulator systems from scratch for multiple devices.
- Interact with other teams for interaction with Simulator Drivers for different devices.
- Developing CI/CD pipelines, Deployment & testing.
- Interacting with Client for Demo, feedback & requirements.
- Helping team members in solving issues.

Environment: .net 5.0, C#, PostgreSQL, Entity Framework, SignalR, AngularJs, Azure DevOps, Git, Azure Web Apps, Azure functions, APIM, C++

Senior Associate, Platform L2 (Technical Architect)

Jan 2017– Apr 2021

Publicis.Sapient

Publicis Sapient is a digital transformation partner helping established organizations get to their future, digitally-enabled state, both in the way they work and the way they serve their customers.

Project #1: Anglo-Gulf Trade Bank

World's-first digital corporate trade bank, AGTB seeks to address the trade finance gap, left by incumbent trade banking models and FinTech platforms by challenging the conventional mindset with a disruptive and transformative approach

Client: Anglo-Gulf Trade Bank

Role: Azure & Microsoft Technology Specialist

Responsibilities:

- Part of Cash-banking team for development & technical implementation.
- Developing Azure Logic apps & azure function for integration with different COTS & internal systems.
- Developing CI/CD pipelines for Dev, QA and NFR.
- Maintaining code sanctity by peer-review, code-coverage and Unit testing.
- Interaction with other teams for cross-teams dependency & design closure.
- Interacting with Client for Sprint Planning, Grooming and Requirement gathering.

Environment: Azure Devops, Azure PAAS, Azure Logic Apps, Azure Functions, API Management, CosmosDB, Supply/Chain Finance, Mambu, TradeIX, Fenargo, ReactJS, Azure Data Lake, Serverless architecture.

Project #2: Bunnings Warehouse

Bunnings Group, trading as Bunnings Warehouse, is an Australian household hardware chain. Bunnings has a market share of around 50 percent in the Australian Do-It-Yourself hardware market. Project is mainly revamping whole portal with new maintainable & scalable technologies

Client: Bunnings Group

Role: Azure & Microsoft Technology Specialist, API developer

Responsibilities:

- Interaction with other teams to collaborate on work, requirements & development
- Doing POC for evaluation of new technologies & feasibility analysis
- Responsible for consistency, high quality and adherence to applicable standards in solution delivery
- Establish steps of doneness for various types of infrastructure related activities that are done during Development and Maintenance phases of a project with respect to Infrastructure
- Work with Client Infra team to deploy the application in the Production and staging environment and perform server and application hardening.
- Drive setup of the different environment (stage, Production, etc.)
- Responsible for ensuring that technical solution meets performance, reliability requirements.
- Responsible for developing Web APIs / End Points for the Digital Platform.
- Responsible for Configuring infrastructure, CI/CD via Team City and Octopus
- Responsible for Code Quality and Unit Testing of the Developed Code.

Environment: Azure, C#, ASP.net Core, WebAPI, Bitbucket, TeamCity, Octopus deploy, Google APIGEE, Swagger, SQL Server, Blob, CosmosDB, Microservices, Docker, chocolatey, Kubernetes, AKS, Rancher, Devops

Project #3: [Synapse](#)

Sapient Synapse offers an intuitive way for firms to manage their data requirements through a series of highly visual, web-based tools that enhance transparency across people, process and datasets with simplified Data Requirement Management, Import & Explore Data with different views.

Client: Solutions Teams (it is product from Sapient with multiple clients)

Role: Tech Lead and Full stack web developer

Responsibilities:

- Automated Continuous Integration of React application & enhanced existing continuous integration environment on Jenkins
- Defined Git(Bit bucket) branching strategy with task & pull request merging according to features.
- Merging branches after releases, patches to have all changes as expected in different environments
- Changed UI for new version completely.
- Helping to take decisions on technological advancements.
- Working on stories & enhancement for Synapse product.
- Resolving issue and doing change request in existing environments for Dev, QA & client
- Resolving build issues for CI
- Active participation in daily Scrum

Environment: ASP.NET, C#, MVC 4, ReactJS, d3js, sass, webpack, SQL Server, Jenkins, SQL Azure, Elastic Search, Azure IAAS

Project #4: Innogy Trading- RWE

Innogy Trading is subsidiary RWE for the renewable, network and retail businesses. They serve 23 million customers in Europe. Project has customization of Allegro as a tool for trading, integration with different interfaces for fetching prices from different markets.

Client: Innogy, RWE

Role: Devops Lead and Release Management

Responsibilities:

- Strategy and communication with different vendors in different geographies.
- Automating build & release for allegro development team.
- Optimizing full build to incremental build by change in process to enable CI for Unit testing of single Story/Issue.
- Automating of saving of artifacts for promotion to higher environments
- Help in defining branching & merging strategy
- Developing utility for Automating ad-hoc activities
- Developing and optimizing CI & CD pipelines
- Resolving issues in merging & release

Environment: AWS RDS, AWS S3, Gitlab, YAML, PowerShell, Shell Scripting, SQL Server, Allegro, TRM, Devops, .NET, C#, Asp.net, Git, Custom Monitoring.

Project #5: Chevron Integration vNext

Chevron Corporation is an American multinational energy corporation. One of the successor companies of Standard Oil, it is headquartered in San Ramon, California, and active in more than 180 countries. Project includes migrating old integration solution in BizTalk to Azure Platform & enhance reporting, analytics & other capabilities

Client: Chevron

Role: Dev Lead

Responsibilities:

- Developing system using Azure platform to replace Biztalk solution
- Doing optimizations to Stored procedure to fetch data
- Interacting with Devops Team to enable CI & CD
- Interacting with Client in Agile ceremonies
- Doing POC for optimization of performance & cost on Azure Infra.
- Helping team for technical challenges & mentoring them

Environment: Azure Devops, Azure Functions, App Service, Blob Storage, Event Grid, Durable Functions, Sql Server, PowerBI, Biztalk, C#, Openlink RightAngle

Module Lead**May-2015 – Jan-2017****3PillarGlobal.**

3pillarGlobal provides Product Management, Product Architecture, User-Experience Design, Product Engineering, Product Strategy and Project Management to excel clients in their business. We have a proven track record of delivering software products and strategies that drive innovation, engage customers, build brand equity, and increase revenue for hundreds of clients.

Project #1: Nurtur - LiveHealthier

Provides programs for Employee Wellness, Corporate Health, Incentive Management, Health Risk Assessments, Biometric Screenings, Lifestyle Behavior Change, Employee Engagement, Environmental Audits, Wellness Programs, Condition Management, Work/Life Solutions, Mobile Health, Nurseline

Client: LiveHealthier

Role: Technical Lead

Responsibilities:

- Creation of business design documents and software design for new Modules.
- Developing & maintaining application in ASP.NET MVC, WebAPI, SQL Server.
- Facilitating Scrum meetings & maintain tasks on JIRA for Sprint.
- Writing & maintaining Unit tests and Continuous Integration of application.
- Interacting with Client for Sprint Planning, Grooming and Requirement gathering.
- Reviewing peer code and writing cross cutting code

Environment: ASP.NET MVC 4, Azure, WebAPI, Sql Server, Angular, NUnit, SendGrid, RabbitMQ, Github, Jenkins.

Project #2: Advanced Technology Group

Performing proof of concepts for Latest Technology and creating common reusable components

Client: Internal

Role: Architect

Responsibilities:

- POC for Implementing Open connector for Identity Server3 for storing & maintaining Active Directory on Azure Active Directory.

Environment: ASP.NET MVC 4, Github, Azure VM, Azure Active Directory.

Project #3: Junior Achievement

Junior Achievement annually reaches 4 million students with programs that teach financial literacy, entrepreneurship and workforce readiness in grades K-12. Programs are delivered by more than 178,000 Junior Achievement volunteers. Globally, JA Worldwide reaches 10.6 million students in 117 countries.

Client: Junior Achievement

Role: Module Lead

Responsibilities:

- Designing Application framework from scratch for support application development.
- Working on user stories end-to-end in full stack
- Facilitating Scrum Meetings
- Creating Windows services for Scheduling Jobs for pulling data from Different Interfaces.

Environment: ASP.NET MVC 4, WebAPI, SQL Server, Knockout, Github, .Net 4.5.2, High Charts, SMTP, Entity Framework, NUnit.

Project #4: Next Day

Content management system for one of the leading Blinds & interior Decoration Provider.

Client: Next Day Blinds

Role: Technical Lead

Responsibilities:

- Writing WebAPI for saving, retrieving & update data for CMS Components.
- Writing ReactJs components for Admin UI.
- Setting up CI with Jenkins for different environment on AWS hosting.
- Interacting with clients for Requirements Discussions.
- Integration of MailChimp for user Subscription.

Environment: ASP.NET MVC Core, .Net Core, ReactJs, Redux, Webpack, Gulp, TypeScript, WebAPI, Entity Framework 6, SQL Server, Github, Jenkins, MailChimp, Mendrill, AWS, NPM, node.js, XUnit.

Senior Associate, Platform L1 (Team Lead)

Dec-2013 – May-2015

Sapient Global Markets.

Sapient Global Markets provides business and technology services and solutions to capital and commodity market participants, intermediaries and regulators. From advising on strategic initiatives to integrating advanced technologies into trading environments, Sapient GM helps firms optimize how they initiate and leverage the solutions and processes that run their front, middle and back offices.

Project #1: Chevron Atlas Project (One of the world's largest oil companies & multi-national energy corporation)

The program has developed a global, enterprise IT architecture that will combine existing technology and new applications within the organization to improve efficiency across the entire lifecycle of a transaction including trading, operations/scheduling, risk control, credit, contracts, accounting, Algorithms for risk metrics, Financial Objects for credit and custom code to integrate and customize all these functions to create a straight through processing platform to handle all physical and financial transactions done by this group.

Client: Chevron

Role: Senior Associate, Platform

Responsibilities:

- Creation of business design documents and mapping document by analyzing client's requirements in new trading and risk management system.
- Customized reports, invoices, contracts, batch jobs & customization of trading platform on Openlink RightAngle using C# & WCF.
- Developing High level & low level plan in MS project for execution of cut-over for deployments.
- Collaboration & communication between teams in different geographies, time zones & institutions to make execution of cut-over for deployments successful.
- Developing interface in BizTalk.
- Developing cargo tracker application in ASP.NET MVC.
- Accustomed with third party control from DevExpress.

Environment: Openlink RightAngle, BizTalk, Sql Server, ASP.NET MVC 4, jQuery, WCF,C#, MS Project, Visio, HP Quality Center, TFS, SVN, DevExpress, NUnit.

Senior Software Engineer
GlobalLogic India Pvt. Ltd.**Aug 2012 – Dec2013**

GlobalLogic is a leading full product lifecycle services provider organization, servicing customers in United States, Europe, Middle East, Asia and Australia. The Company offers software services like Research & Ideation, Product & Service Design, User Experience Design, Software Product Engineering, Testing & Validation, Content Engineering, Sustaining Engineering, and Product Re-Platforming specialized in technology focus areas including Mobile, Cloud, Embedded, Social, Business Intelligence, Open Source and Web.

Project #1: myKastle (Kastle Systems)

Kastle is a complete managed security services and solutions provider. myKASTLE is an intuitive web-based SaaS (software-as-a-service) that allows you to manage your system at any time and from anywhere you have Internet access. myKastle core functions include :

- *Interactive Floor Plans/Maps*
- *Live Card Administration*
- *Custom Reporting*
- *Scheduling Tools*
- *Watch List*
- *Energy Reporting*
- *Visitor Management*
- *Alarm Verification*

Client: Kastle Systems

Role: Sr. Software Engineer

Responsibilities:

- Defining tasks & evaluating LOE.
- Preparing **UI mocks** as per requirements for Client approval.
- Coding different reusable components in C# language.
- Improving performance & improve Code Quality.
- **Created UI Interfaces** using HTML and JQuery to be integrated with the ASP.NET MVC architecture.
- Writing **Stored Procedures** for **Data Migration, Batches & Complex Business Scenarios**.
- Successfully performed **Single Sign-on** between two web applications.
- Involved in training of new employees who were added to the module.
- Fixing the defects raised in different testing cycles and phases.
- Worked on creating **Unit Test & Coded-UI Test in Visual Studio 2010**.
- Preparing MOM & follow-up for important points in Stand-ups, meetings & retrospectives.
- Successfully led a team for many modules in various releases.

Environment: Visio, Azure, Visual Studio, WCF, ASP.NET, MVC 4.0, jQuery, Enterprise Library 5.0, SSMS SVN, JIRA, Confluence, Cruise Control, Fish-eye and Crucible.

NIIT Technologies is a **CMMI (level 5)** leading IT solutions organization, servicing customers in North America, Europe, Middle East, Asia and Australia. The Company offers services in Application Development and Maintenance, Managed Services, Cloud Computing and Business Process Outsourcing to organizations in the Financial Services, Insurance, Travel, Transportation and Logistics, Manufacturing and Distribution and Government sectors.

Project #1: Infringement Management and Enforcement System

Infringement Management and Enforcement Services (IMES) is a business unit of the **Department of Justice** primarily responsible for managing the end-to-end infringements system in **Victoria**.

IMES' core functions include:

- Policy development and implementation
- Contract management
- Delivering and monitoring the road safety camera program
- Enforcement services relating to the confiscation scheme through Asset Confiscation Operations
- Enforcement of warrants by Sheriff's Officers, issued by Magistrates', County and Supreme Courts
- Enforcement of unpaid infringement penalties through the Infringements Court.

Client: Tenix Solutions Pty Ltd

Role: Sr. Software Developer

Responsibilities:

- Created **Low Level Technical Design documents as per the client's standards**.
- Worked with the architecture team to establish the Multilayered Architecture.
- Coding different components in C# language.
- **Created UI Interfaces** using HTML and JQuery to be integrated with the ASP.NET MVC architecture.
- Writing Stored Procedures for **Batches & Grid sorting, filtering and paging**.
- Maintaining database project in Visual Studio under source control (TFS), data generation, & deployment from Database Project to SQL Server.
- Involved in training of new employees who were added to the module.
- Fixed the defects raised in different testing cycles and phases.
- Worked on creating **Unit Test & Coded-UI Test in Visual Studio**.
- Created **Orchestration Diagram** for different business processes.
- Create Rule Sets for Business Rule Engine.
- Successfully leaded a team to release design documents in time.

Environment: Enterprise Architect 9, Visual Studio, WCF, ASP.NET, MVC, jQuery, Enterprise Library 5.0, SSMS and TFS.