

DINKAR CHOUDHARY

Senior Software Engineer

🏠 Bengaluru Karnataka ✉️ dinkarchoudhary099@gmail.com ☎️ + 91 8298828049

🌐 <https://www.linkedin.com/in/dinkar-choudhary>

🌐 <https://github.com/Dinkarchoudhary>

SUMMARY

- Accomplished Full Stack .NET Core developer with 4.10+ years of experience in **Software & Application Design**, Development & Implementation of efficient core logical APIs. Proficiently implemented **N-Tier Architecture** encompassing Data Access Layer, Business Logic Layer, and User Interface (UI), and well-versed in building a Custom Reusable React Components Library.
- Successfully created and deployed over 5 Business Modules and 5 Technical Modules, showcasing exceptional skills in designing Business Modules, Client-specific Business Modules, Technical Modules, and R&D Modules.
- Skilled in all phases of **Software Development Life Cycle** including **Requirement Analysis, Implementation and Maintenance**, with extensive experience in Agile and **SCRUM** methodologies.
- Crafted and maintained **high-quality**, reusable, and dependable code to meet project demands.
- Designed **Database Architecture** and **Schema** for various components including Rule Engine, Accounting, Rating, Dispatcher, and Design Manager.
- Played a pivotal role in revitalizing the old MVC Live project, transforming it into **MicroService** Architecture with a revamped UI using ReactJs, .NET Core services, and SQL Server.
- Conducted R&D in Machine Learning and Deep Learning domains, specifically focusing on OCR.
- Possesses a divergent outlook, approaching problem-solving creatively using analytical skills to effectively engage with all levels of the organization, fostering teamwork and achieving excellence.

SKILLS

C# .Net Core, MS SQL Server, ReactJS ADO.Net, Entity Framework, Asp.Net Core, Angular, Azure Snowflake, Azure Data Bricks, .Net Framework, Azure Data Lake, Algorithm Design, MS Test, Machine Learning, Typescript, Jest, Unit Test, Web App Development, Responsive Web Design, .Net Core 6.0, GitHub, Matplotlib, Version Control, LINQ, MongoDB, JavaScript, Seaborn, Oracle, OOP, IIS, Web Api, Api Integration, Docker, Software Design, Data Structure, Azure Data Factory, Web Application, Restful API, AJAX, REST Api, Python, HTML, CSS, OpenCV, Bug Fixing, Google APIs, SOLR, Unit Testing, ADLS_Gen2, MicroService, .Net Core 2.0, .Net Core 3.1, .Net 7, Azure Function, JSON, Azure Service Bus, Redis Cache, Mediator Pattern, GRPC Pattern, Github Copilot, Fault Tolerance Pattern, Circuit Breaker Pattern, Azure Reporting, Serilog, Splunk, CQRS

PROFESSIONAL EXPERIENCE

NAGARRO (BENGALURU, KARNATAKA)

Senior Engineer

JAN 2022-Present

- Involved with Manheim CA, a provider of vehicle remarketing services, which encompass inspections, reconditioning, and facilitating connections between buyers and sellers in the largest wholesale used vehicle marketplace with the most extensive auction network.
- Engaged with Optevus, a job portal platform that revolutionizes the recruitment process.
- Designed and developed Microservice Web APIs, designed databases using SQL Server, implemented a Service Bus for microservice communication, integrated Redis Cache for enhanced application speed, incorporated various integration services, and managed fault tolerance using the Circuit pattern and other techniques and successfully implementing new requirements.

- Applied CQRS for streamlined command and query workflows, and implemented gRPC for efficient microservices communication. Enhanced scalability, streamlined operations, and achieved optimal system performance.
- Engaged in SMA (Shading Market Place) application facilitate fabrics sample orders for end users.
- Devised unit test cases using MS test to ensure robust code quality.
- Created Cron jobs and HTTP triggers utilizing Azure Functions for scheduled tasks.
- Established service bus queues to manage timely message enqueueing.
- Employed Polly to enhance the reliability of public APIs in case of failures.
- Worked on migration of data from Taleo to the ICIMS job portal by creating several integration services APIs and scripts.

CERNER (BENGALURU, KARNATAKA)

Software Engineer-II

DEC 2020-JAN 2022

- Engaged with Design Manager, a web-based tool utilized within the healthcare system to facilitate communication with multiple US hospital clients and healthcare professionals.
- Leveraged the Microsoft Azure Cloud Platform for migrating data from SQL Server 2019 to Snowflake, employing Azure to construct a Data Factory pipeline for data export, and utilizing Data bricks Notebook in Scala for seamless data transformation.
- Executed the SQL Server 2019 upgrade for DesignManager, adhering to Microsoft's standards, and seamlessly integrated SOLR into the DesignManager Application to optimize search functionality.
- Took responsibility for both meeting DesignManager's enhancement needs, addressing bug fixes, and comprehending the client system's business and technology to translate them into application development.
- Effectively migrated DesignManager's data from SQL Server to Snowflake, enhancing reporting capabilities and architected and established a DataFactory Pipeline to efficiently transfer data from SQL Server, storing it in Azure Data Lake Storage (ADLS) RAW, and seamlessly merging data within the pipeline.
- Created and managed Databricks Notebooks to ensure effective data transformation.
- Successfully completed an automated unit testing pipeline, validating the accuracy of data movement from SQL Server to ADLS Gen2 Data.

INUBE SOFTWARE SOLUTIONS (BENGALURU, KARNATAKA)

Software Engineer

JUL 2019-DEC 2020

- Worked as a .Net Full Stack Developer(.Net Core 3.1,ReactJs,C#,SQL Server, RestApi, Micro Service, MongoDB, Machine Learning, Python, OPenCV, Matplotlib, SeaBorn)
- As the Module Owner, actively contributed to the Insurance Domain Project MICA across various modules including the Rule Engine, Rating, Dispatcher, Accounting, and OCR.
- Led the efforts in the Accounting module, which encompassed tasks like establishing chart of Accounts and generating Accounting Entries for each financial transaction within the MICA system.
- Played a pivotal role in the Rating module, determining premium amounts for insurance and reinsurance based on user-defined rate parameters and formulae for Rating Rules.
- Championed the development of the Dispatcher module, a crucial communication API service responsible for information transmission, task execution, and seamless coordination among other services.
- Engaged significantly in the OCR System development, designing a sophisticated solution for text recognition within digital images, enabling accurate extraction from documents such as Aadhaar cards, PAN cards, and licenses.

INUBE SOFTWARE SOLUTIONS (BENGALURU, KARNATAKA)

Project Intern

JAN 2019-APR 2019

- Contributed to the Rule Engine module, which empowers insurance organizations to establish custom validation rules for assessing users' eligibility for insurance. Through these predefined rules, the system conducts automated validations, streamlining the insurance approval process.

INTERNSHIP & PROJECTS

FIABILITE NETWORK SOLUTIONS (BENGALURU, KARNATAKA)

Data Engineer Intern

JUN 2018-SEP 2018

- Engaged in a Student Interest-based Prediction System aimed at predicting the diverse interests of students, including topics like start-ups, food, movies, and more. This prediction system considers various age groups and regions, leveraging data for accuracy.
- Engaged in profit rate prediction for startup companies, which provides a concise analysis of how to increase profit for that particular startup company based on investments in marketing, sales, or R&D.
- Engaged in the domain of data analysis by exploring a dataset containing Wheat data from 2015 to 2019. This analysis involved conducting a thorough assessment of price variations in Wheat across various cities and years, while considering a diverse array of factors that impact these fluctuations.

SMART INDIA HACKATHON-2018 | MINISTRY OF DEFENCE (NAGPUR, MAHARASTRA)

JAN 2018-APR 2018

- Developed a web application using PHP, HTML5, CSS3, Google API, Ajax, Bootstrap, SQL Server, SDK, Firebase to seamlessly integrate RTO, Police, and Insurance Company, automating tasks post a fatal accident.

SMART INDIA HACKATHON-2017 | MINISTRY OF DEFENCE (MUMBAI, MAHARASTRA)

JAN 2017-APR 2017

- Developed an end-to-end application with Java, HTML5, CSS3, Google APIs, Ajax, Bootstrap, SQL Server, SDK, and Firebase. Integrated Google Map API for crisis management, optimizing resource planning and execution for enhanced crisis control.

ACADEMIC PROJECT | BIET (BENGALURU, MAHARASTRA)

JAN 2019-MAR 2019

- Engaged in Brahmi script's Line and Character Segmentation project using Python, OpenCV, and Math Lab. Implemented image enhancement, binarization, and segmentation techniques for Optical Character Recognition, particularly valuable in Epigraphy, the study of inscriptions. This approach yields character samples for accurate optical character recognition.

EDUCATION

BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY

B-Tech (Computer Science & Engineering) – 7.5 CGPA

2015-2019

GURUNANAK HIGHER SECONDARY SCHOOL

Intermediate (PCM) – 73%

2012-2014

KENDRIYA VIDYALAYA

Matriculation – 9.0 CGPA

2011-2012

ACHIEVEMENT & CERTIFICATION

- Smart India Hackathon - 2018 (4th Rank)
- Smart India Hackathon - 2017 (12th Rank)

- TCS Tech Bytes
- InternShala Student Partner
- VMWare
- Azure Fundamental Certification