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Top Skills

Google Cloud Platform (GCP)
Generative AI
Retrieval-Augmented Generation (RAG)

Certifications

AI Agents and Agentic AI in Python: Powered by Generative AI Specialization
Essential Google Cloud Infrastructure: Foundation
Build Multimodal Generative AI Applications
How to Build an Executive Presence
Advanced RAG with Vector Databases and Retrievers

Nagendra Gupta

Strategic Technologist | Architecting Gen AI & Cloud Solutions for Financial Services | Credit Risk & Innovation Leader
Pune, Maharashtra, India

Summary

With two decades of leadership experience in designing innovative business solutions for banking clients, I specialize in bridging the gap between complex technical architecture and strategic business goals.

I am passionate about leveraging cutting-edge solutions like Generative AI and Agentic AI to automate development, enhance credit risk processes, and build the future of financial services.

I am always open to connecting with fellow innovators and leaders in the FinTech space. Feel free to reach out to discuss strategic challenges, future trends, or collaboration opportunities in credit risk and AI.

Experience

Deutsche Bank

11 years 3 months

Credit Risk Architecture Lead, India Region

September 2024 - Present (1 year)

Pune, Maharashtra, India

Principal solution architect for Global Credit Risk System

Roles & Responsibilities

- Architectural Design: Led the architectural design for global financial systems, resulting in improved system performance and scalability.
- Technical Leadership: Mentored and led a cross-functional team of architects and developers, fostering a culture of technical excellence and a shared vision.
- AI: Spearheaded the strategy and implementation of a development automation tool using Gen AI and Agentic AI, transforming business requirements into production-ready code via an automated workflow
- Strategic Planning: Spearheaded the development of long-term architectural roadmaps, aligning technology strategy with organizational goals to drive business growth and innovation.

- Governance: Implemented robust architectural governance frameworks to ensure design integrity, mitigate risks, and maintain a consistent, high-quality technology landscape.
- Client Interaction: Partnered directly with business leaders to translate complex client needs into clear architectural requirements, ensuring solutions delivered tangible business value.
- Project Management: Directed the successful delivery of multi-million dollar architectural projects, consistently achieving on-time and on-budget completion by providing strategic oversight and leadership.
- Innovation: Championed the adoption of emerging technologies, including Generative AI and Cloud, to introduce innovative solutions that enhanced operational efficiency and strategic capabilities.
- System Design: Led the design and transformation of the data warehouse & microservices architecture, significantly improving data accuracy, reliability, and system maintainability to support critical business decisions.
- Technical Documentation: Developed and maintained comprehensive architectural documentation, establishing a single source of truth that facilitated knowledge transfer and streamlined future development.

Solutions Architect

May 2016 - September 2024 (8 years 5 months)

London, United Kingdom

Principal solution architect for Global Credit Risk System which involves business processes implementation in IBM BPM and decision management in IBM ODM having micro services based architecture solution.

Key Responsibilities-

Conduct architectural evaluation, design and analysis of enterprise wide systems.

Stimulate apt design discipline leverage industry strength evaluation and design tool like EA.

Ensure application architecture team delivers robust system solution to architect business.

Develop, enhance and maintain established service design procedure and process to assure apt and robust service design.

Perform closely with Enterprise Architect within Architecture Services team to assure constant compliance of strategic blueprints and architecture.

Perform as member of high performance and provide solutions alert architecture team supporting business oriented project development effort.

Head responsibility for ongoing suggestions and best practices for entire solutions across business continuity, backup, recovery, high availability and archiving.

Collaborate with IT development team to assure architectural solution could be suitably translated into effectual and robust implementation.

Solutions Architect

June 2014 - April 2016 (1 year 11 months)

Bucharest, Romania

Solution architect for Global Credit Risk System which involves micro services based architecture solution.

Key Responsibilities-

Conduct architectural evaluation, design and analysis of enterprise wide systems.

Stimulate apt design discipline leverage industry strength evaluation and design tool like EA.

Ensure application architecture team delivers robust system solution to architect business.

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Collaborate with IT development team to assure architectural solution could be suitably translated into effectual and robust implementation.

Tata Consultancy Services

8 years 5 months

Development Lead

December 2012 - May 2014 (1 year 6 months)

London, United Kingdom

A large scale web application was to be developed which involved credit risk management of German SME clients to be merged with existing credit risk management of German Corporate clients. The resulting solution was to develop a new product which seamlessly integrate front office with middle office and provide end to end management of credit risk.

It was ultimately my responsibility that all of the developers in my team are adhering to the software quality standards agreed by my team and the wider development team so that work is done to the highest possible quality.

To understand and be able to talk about and explain to my team the importance of principles of good software design and development so that we are able to produce software of the highest possible quality in the fastest possible time and will be able to continue to do so in the future.

To understand and be able to talk coherently about the any practices (such as refactoring, TDD and pair programming) we are implementing and their benefits so that we are all working together and understand why they are so valuable.

To ensure the features developed by my team are produced to the highest possible quality in the fastest possible time and no less, so that we are able to continue to do so in the future.

To show the developers on my team better ways of doing things and help them improve their skills so that we all become better at our jobs.

To ensure the software my team is responsible for is healthy and that it's health is visible to my team and the wider development team so that we can all focus on improving it and know where the most technical debt and legacy code is.

To act as example to all the developers on my team by being the person who most closely follows the principles and practices we have committed to so that the developers on my team feel confident they can too.

To act as example to all the developers on my team by advocating learning and taking the time to do so myself

Senior Developer

May 2011 - December 2012 (1 year 8 months)

Gurgaon, India

Development of key credit risk management application to access risk on a client and approve the credit limits to cap the max trade amount with this client. This functionality was migrated from an old swing application to web 2.0 with new set of features and capabilities. It also involved runtime integration with multiple external systems via soap based webservices and integration with Oracle reports.

To Show appetite and aptitude for owning responsibility of technical decisions and direction for many projects

To delegate technical execution or responsibilities when appropriate.

To Act as a liaison or primary point of contact for communicating with client side technical expertise.

To Direct technical aspect of operations related to escalated client accounts or high severity issues as they affect or confront a project or team.

Attend to both business and technical considerations when designing solutions to project/team or company related issues.

Demonstrate interest in improving the company's technical awareness, depth and use of technology across the business.

Participate in the evolution of company level best practices, standards, and policies as it related to software development.

Provide thought-leadership as it relates to emerging technologies and readying our company and engineers for productively integrating the same into our business.

Senior Developer

October 2009 - April 2011 (1 year 7 months)

London, United Kingdom

To Show appetite and aptitude for owning responsibility of technical decisions and direction for many projects

To delegate technical execution or responsibilities when appropriate.

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Developer

March 2008 - September 2009 (1 year 7 months)

Gurgaon, India

Design, implement and maintain java application phases

To take part in software and architectural development activities

Conduct software analysis, programming, testing and debugging

Identifying production and non-production application issues

Transforming requirements into stipulations

Develop, test, implement and maintain application software

Recommend changes to improve established java application processes

Develop technical designs for application development

Develop application code for java programs

Developer

November 2007 - February 2008 (4 months)

London, United Kingdom

Design, implement and maintain java application phases

To take part in software and architectural development activities

Conduct software analysis, programming, testing and debugging

Identifying production and non-production application issues

Transforming requirements into stipulations

Develop, test, implement and maintain application software

Recommend changes to improve established java application processes

Develop technical designs for application development

Develop application code for java programs

Developer

January 2006 - October 2007 (1 year 10 months)

Gurgaon, India

Design, implement and maintain java application phases

To take part in software and architectural development activities

Conduct software analysis, programming, testing and debugging

Identifying production and non-production application issues

Transforming requirements into stipulations

Develop, test, implement and maintain application software

Recommend changes to improve established java application processes

Develop technical designs for application development

Develop application code for java programs

Education

Maharana Pratap University of Agriculture and Technology

Bachelor of Engineering - BE, Computer Science · (2001 - 2005)