Varun Kumar

Director Enterprise Architecture

Ex- Microsoft, Amazon | SMP, IIM Ahmedabad

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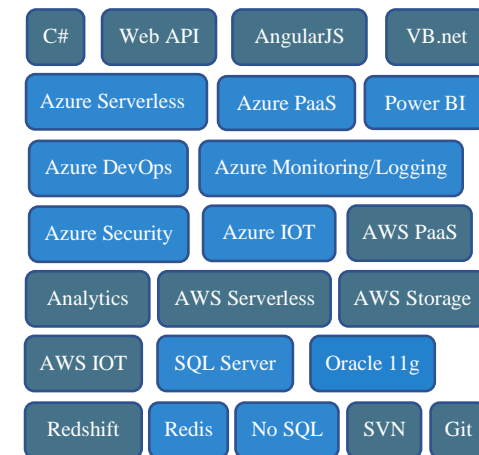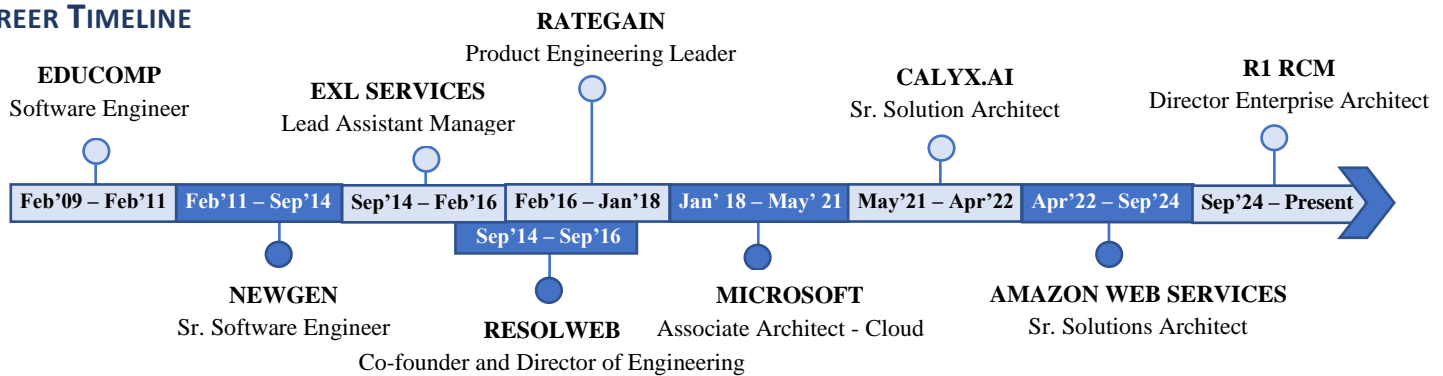
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http://varunkumar.in
https://cloudavenue.in

16+ Years

TOGAF®9 Certified · AZURE SOLUTIONS ARCHITECT EXPERT · Solutions Architect PROFESSIONAL · WORLDWIDE COMMUNITIES Microsoft Community SME 2020 · ARCH SAFe® 5 · aws TECHNOLOGY Serverless · blog

- ➢ Proven experience in leading and managing experienced resources and large (up to 120) geographically **distributed** teams of architects, developers and DevOps/SRE engineers.
- ➢ Vast experience in **design** and **implementation** of highly scalable **solutions using Azure/AWS** cloud services and modernization of legacy applications to Cloud.
- ➢ Experienced in **Recruiting, Team Building, Mentoring, and Succession Planning.**
- ➢ Demonstrated **leadership** capabilities, performing under immense pressure and building strong client relationships.
- ➢ Vast experience in direct engagement with stakeholders at all levels including CxOs, MDs, Business owners, Architects, SMEs, Vendors, Consultants, and Designers etc.
- ➢ Result oriented and focused with effective delivery management and communication skills.
- ➢ Instrumental in architectural modelling and design activities by understanding business requirements from customer.
- ➢ Led the end-to-end rollout of two full-scale software products in the worldwide marketplace.
- ➢ Exposure to storage and processing big data for data analysis.
- ➢ Preparing "Proof of Concept", product demonstrations and conducting technical trainings.
- ➢ Have a good understanding of implementing industry standard design patterns, SOLID principles, code optimization, performance optimization and database queries.
- ➢ Set up and successfully ran a software services and products startup, for two years before shutting it down.

SKILLS

Team Management · Stakeholder Management · Cost Savings · Operations Efficiency · Process Enhancement · Performance Evaluation

C#	Web API	AngularJS	VB.net
Azure Serverless	Azure PaaS	Power BI	
Azure DevOps	Azure Monitoring/Logging		
Azure Security	Azure IOT	AWS PaaS	
Analytics	AWS Serverless	AWS Storage	
AWS IOT	SQL Server	Oracle 11g	
Redshift	Redis	No SQL	SVN	Git

CAREER TIMELINE

EDUCOMP — Software Engineer

EXL SERVICES — Lead Assistant Manager

RATEGAIN — Product Engineering Leader

CALYX.AI — Sr. Solution Architect

R1 RCM — Director Enterprise Architect

| Feb'09 – Feb'11 | Feb'11 – Sep'14 | Sep'14 – Feb'16 | Feb'16 – Jan'18 | Jan' 18 – May' 21 | May'21 – Apr'22 | Apr'22 – Sep'24 | Sep'24 – Present |

Sep'14 – Sep'16

NEWGEN — Sr. Software Engineer

RESOLWEB — Co-founder and Director of Engineering

MICROSOFT — Associate Architect - Cloud

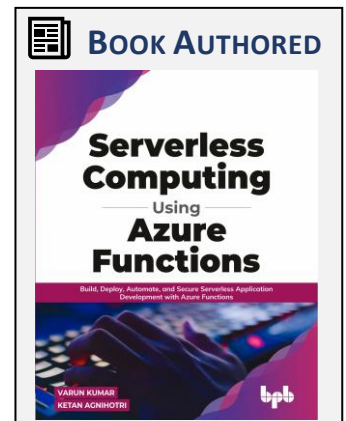**AMAZON WEB SERVICES** — Sr. Solutions Architect

EDUCATION

Senior Management Programme
Indian Institute of Management Ahmedabad
2021-2022
IIMA Executive Education

M.Tech Computer Science
Maharshi Dayanad University
2015 - 2017
Department of CSE
MERI College of Engineering

B.Tech Information Technology
Punjab Technical University
2005 - 2009
Department of Information Tech.
Malout Institute of Management & Information Technology

BOOK AUTHORED

Serverless Computing Using Azure Functions
Build, Deploy, Automate, and Secure Serverless Application Development with Azure Functions
VARUN KUMAR · KETAN AGNIHOTRI
bpb

CERTIFICATIONS

All Certifications

- The Open Group: TOGAF® 9
- Microsoft: Azure Solutions Architect Expert
- AWS Certified Solutions Architect Professional
- Certified SAFe® 5 Architect
- Microsoft: Solutions Expert (Cloud Platform)
- Microsoft: DevOps Engineer Expert

- Azure Developer Associate (AZ-204)
- Big Data Engineering on Microsoft Cloud Services (70-776)
- Microsoft Certified Trainer
- Microsoft Worldwide Communities SME
- Well-Architected Proficient

EXPERIENCE

R1 RCM
Sep, 2024 – Present

Director (Enterprise Architecture)

- ✓ Lead the enterprise architecture function, defining strategic IT direction to align technology initiatives with R1 RCM's business goals in revenue cycle management and healthcare operations.
- ✓ Drive architectural vision, standards, and frameworks across cloud, data, application, and integration domains to support scalable, secure, and high-performance solutions.
- ✓ Partner with senior business and IT leadership to evaluate and prioritize digital transformation initiatives, ensuring alignment with enterprise strategies.
- ✓ Govern enterprise technology portfolios and roadmaps, enabling rationalization of legacy systems and effective adoption of emerging technologies.
- ✓ Spearhead enterprise-wide initiatives to modernize infrastructure and move toward cloud-first architecture, leveraging platforms such as AWS or Azure.
- ✓ Provide guidance to solution architects and development teams on architectural best practices, design patterns, and integration strategies.
- ✓ Chair the Architecture Review Board (ARB) to evaluate solution designs, enforce architectural governance, and ensure compliance with enterprise standards.
- ✓ Serve as a key member of strategic Steering Committees, advising on technology investments, project prioritization, and enterprise-wide digital transformation initiatives.

AMAZON WEB SERVICES
Apr, 2022 – Sep, 2024

Sr. Solutions Architect

Helping Early stage startups to build and grow on AWS and help them migrate and modernize on cloud.

- ✓ Working with Customer's leadership (CxOs) to understand business priorities & product roadmaps
- ✓ Helping customers through Well-Architected Reviews, Cost Optimization, Security Baselining, One-to-many workshops on areas like Microservices, AIML, Data Analytics, Serverless etc.
- ✓ Helping Services teams Product roadmap prioritization through Feature requests, region expansions, customer feedbacks and market trends.
- ✓ Speaking in AWS Tier 1/2 events and other community events on various technical topics.
- ✓ Running the initiatives for Customer scaling across APJ.
- ✓ Helping the Customer to migrate to AWS from On-Premises, Other Cloud and Hyper-scalers in a seamless manner.
- ✓ Getting the solutions build and delivered through AWS Partners. Doing SOW reviews, scrutinized the Architectures and monitoring the delivery timelines and deliverable quality.
- ✓ Developing/Getting developed proof of concepts to showcase product features to customers.

CALYX.AI
May, 2021 – Present

Sr. Solution Architect / Associate Director

Responsible for the Cloud Transformation journey of the product line in Healthcare (clinical research) domain.

- ✓ Managing a team of Senior Architects and Engineers responsible for the Cloud migrations and modernization of existing products.
- ✓ Defining Solution Vision, Architecture Roadmap and Runway.
- ✓ Providing strategic technical direction and Synchronizing architecture functions across ARTs.
- ✓ Establish and supports definition of Non-functional Requirements.
- ✓ Keep solution and system architects aligned with business strategy and goals.

Formerly Parexel, Calyx is a product-based company that provides innovative technology solutions to help the global bio-pharmaceutical industry bring much-needed treatments to patients, faster.

- ✓ Responsible for Technical Design Reviews, participating in ARB and Steering committee.
- ✓ Stakeholder management, Client handling, Partner and Vendor Management.
- ✓ Forming and Leading the Communities of Practice initiatives within the organization.

MICROSOFT
Jan, 2018 – May, 2021

Associate Architect - Cloud
Part of Enterprise Services team for the design and development of Cloud solutions.

- ✓ Leading a geographically distributed team of 80-120 members, responsible for design, development and post-production maintenance and enhancements.
- ✓ Making Design decisions, design reviews, getting approvals from ARB, setting up design steering committee etc.
- ✓ Modernization of legacy customer applications to latest Microsoft technologies.
- ✓ Analyze customer requirements and design solutions to meet business objectives.
- ✓ Providing consultancy and conducting workshops for Microsoft Services Customers.
- ✓ Develop proof of concepts to showcase product features to customers.
- ✓ Create and demonstrate reusable software components.
- ✓ Responsible to drive Knowledge sharing Sessions and MACH (campus Hires) technical readiness.
- ✓ Involved in organization level initiatives: SME for worldwide community, Internal hiring of FTE's and vendors, University hiring for ASPIRES, Mentor for various Programs.

Hyper Mentor Award FY'20 and Mentor Gold FY'21.

Projects:

03/20 – 11/20
- ✓ **Microsoft Connected Vehicle Platform– Renault, Nissan and Mitsubishi Alliance**
  The RNA AvNext solution is a connected car platform (on Azure IOT) providing smart services to the Smart car Customers. This allows provisioning of the devices attached in the car to the ANext, subscribe to services and then controlling the features of the car through remote devices.

01/18 – 02/20
- ✓ **Contact Management Platform – Thames valley police and Hampshire constabulary, UK**
  CMP is the emergency management system, in joint collaboration of Thames Valley Police and Hampshire Constabulary, for the citizens of UK to report Incident through call (999), SMS & web.

10/18 – 10/19
- ✓ **Safe Flight– Maple Leaf Food, Canada**
  Safe Flight is Azure IOT based solution for MLF to advance the care of poultry during the transport from farms to processing plants that helped to reduce the overall Death on arrival rate by 50% through real-time monitoring and advance analytics to alert drivers and central monitoring team.
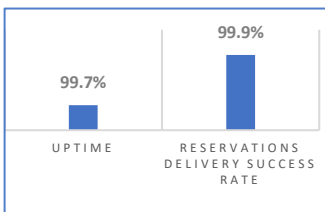
RATEGAIN
Feb, 2016 – Jan 2018

Leader Product Engineering
Working on Product for Hospitality industry used by most of the Hotel Groups across the globe.

RateGain is a product-based company that provides data analytics and BI services to hospitality and travel companies and helps them in better revenue generation.

- ✓ Designed and Implemented highly scalable platform on Azure PaaS and Serverless for high availability and distributed computing.
- ✓ Drove product plans, feature specifications, user experience, and partner relationships.
- ✓ Improved product performance using extensive post-production analytics.
- ✓ Conducting market research to understand consumer behavior and competition, and in utilizing post-production analytics and customer feedback to suggest re-alignment of roadmaps.
- ✓ Following agile practices and participating in backlog creation, sprint planning and daily SCRUM.
- ✓ Managing development team of 12-16 members and daily code review.

Star Performer of the Quarter award for two consecutive Quarters.

Projects:

04/17 – 01/18
- • **RezGain - Smart Hotel Channel Manager**
  Rezgain is an online hotel channel manager and a highly scalable PaaS solution, working on Azure, that effectively automates the process of online rates and inventory distribution, near real-time, minimizing the [mismatched inventory.

- • **Optima- Real-Time Rate Intelligence Platform**
  PriceGain Hotels Optima helps the clients in Hotel Industry across the globe to maximize the revenue. The product collects data from multiple OTAs and applies algorithms to help Hotels to decide on the price per night for each Room based on various factors.

99.9%

99.7%

UPTIME

RESERVATIONS DELIVERY SUCCESS RATE

Co-founder and Director of Engineering

As a Director of Engineering, I was managing all the aspects of SDLC for the service projects as well company's products.

- ✓ Creating and mentoring high performance team of developers and consultants.
- ✓ Leading all phases of SDLC right form requirement gathering to Project closure.
- ✓ Implementing and executing Agile Scrum practice.
- ✓ Driving product plans, feature specifications, user experience, and partner relationships for software product.
- ✓ Finding and recruiting the right talent for the projects.
- ✓ Project and Delivery Management.

Lead Asst. Manager

Working in ECM-deliveries for Leading Insurance and Healthcare companies in US.

- ✓ Understand client's goals and their unique business needs with respect to Document Imaging & related products/platform implementation and develop solution.
- ✓ Provide strong technical understanding of the Mailroom Operations, eFax, email etc with the ability to discuss and demonstrate how they can integrate to meet client's business needs.
- ✓ Preparing "**Proof of Concept**" and provide demonstrations of the optimization of processes and practices using technology like **OCR**, ICR, **automated classification**, Document Processing etc.
- ✓ Organize various learning sessions for the entire firm globally via online virtual meetings.
- ✓ Managing Exl's relationship with vendors to ensure teams within EXL are using the best technology and have access to the training material they need to excel at their deliverables.

Projects:
- **Genworth Insurance, USA (Automated classification and processing based on OCR)**
- **American Express, Global Business Travel (AICS- Automated Imaging and Conversion)**

Letter of appreciation from multiple international clients for handling onsite project.

Sr. Software Engineer

Worked in banking domain, on various bank payment solutions such as CTS, EFT, PDCMS DDS etc. for various international banks including Bramer banking corporation [Mauritius - onsite], Imperial bank [Kenya and Uganda - onsite], RAK Bank [UAE], PBL [Ghana], HSBC, Bank of America etc.

- ✓ Worked closely with International clients for requirement gathering, analyzing & development of banking solutions.
- ✓ On-site system study, deployment and integration with the other banking systems (including core banking, Internet Banking) for various international banks.
- ✓ Understanding the requirement mentioned in the FSD and developing application (design and coding).
- ✓ Working as an SME and consultant and providing technical solution for various banking problems.

Projects:
- **Bramer Banking Corporation, Mauritius (Image based cheque clearing system)**
- **Imperial Bank, Kenya and Uganda – Bank Payment Solutions**
- **HSBC (Image based cheque clearing system and OCR based extraction)**

Director's Special Award

PROJECT COST   EMPLOYEE EFFICIENCY
100%
-40%

Executive Software Engineer

- ✓ Analyzing business requirements and transforming raw requirements into core technical requirement.
- ✓ Responsible for Low Level Design and code using Visual Studio and Source Safe.
- ✓ Transforming technical requirements into software product/ application [Coding].
- ✓ Preparing reports and participating in quality management activities.
- ✓ Unit testing and conducting peer code review exercise.