



Bhawesh Kumar

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Professional Summary

Executive Architectural Leader with 25+ years driving technology transformation in financial services through cloud modernization, DevOps practices, and enterprise governance. Proven expertise architecting scalable, resilient systems on AWS/GCP while leading global engineering teams. Balance strategic standards enforcement with emerging practices adoption, including AI-assisted development frameworks. AWS Community Builder and IEEE Senior Member recognized for technical thought leadership in cloud architecture and engineering communities.

Core Competencies

- **Emerging Technology:** Generative AI Strategy and Standards, AI-Assisted Development and Governance,
- **Cloud Migration & Management:** Expertise in AWS, optimized cloud infrastructure for cost and performance.
- **Data Governance:** Established frameworks ensuring data security, compliance, and integrity.
- **Solution Architecture:** Designed scalable systems using microservices and APIs.
- **IT Roadmap:** Led strategic technology roadmaps aligned with business goals.
- **Governance & Compliance:** Enforced standards ensuring reliability and security.
- **Cost Optimization:** Reduced expenses via serverless and cloud transformations.
- **System Integration:** Integrated enterprise systems for enhanced functionality.
- **Standards Development:** Developed IT guidelines ensuring quality and consistency.
- **Business Alignment:** Aligned technical strategies with organizational goals.
- **Risk Management:** Built proactive monitoring systems reducing downtime.

Technical Skills

GitHub Copilot, OpenAI/Codex, Claude (Anthropic), Google Gemini, CrewAI, Flowise, Prompt Engineering, AWS, Azure, GCP, Terraform, CloudFormation, CodePipeline, Java, C#, Python, TypeScript, Docker, ECS, SQL, NoSQL, ES, Redis, React, Redux, Angular, GraphQL, REST, SOAP, ORM, SAML, IAM, OAuth2, JWT

Education

Master of Computer Application 2000-2003
IGNOU, Delhi, India

Experience

Senior Principal Software Architect Morningstar Investment Management LLC, Chicago IL March 2021 – Present

- Lead and mentor application architects across wealth management, establishing career progression frameworks and mentorship programs
- Chair Architecture Review Board, defining and enforcing technology standards, reducing architectural debt by 40%
- Develop tactical and strategic technology roadmaps with senior leadership, aligning with business objectives and regulatory requirements
- Architect systems ensuring SEC, SOC2, and regulatory compliance, implementing audit trails, data retention, and reporting frameworks
- Ensure data integrity through governance and security standards enforcement, achieving zero compliance violations in three years
- Led modernization of 15-year monolithic retirement platform to event-driven microservices, migrating \$10B+ AUM with zero downtime
- Design event sourcing and CQRS patterns for transaction processing, ensuring audit compliance and real-time monitoring
- Architect high-performance financial advisory systems on AWS, enabling 70% increase in processing efficiency
- Develop architect onboarding and continuous learning programs, achieving 90% team retention and promotions
- Direct migration of legacy applications to AWS cloud-native architecture, reducing infrastructure costs by 35% annually
- Implement CI/CD pipelines with Terraform and automated quality gates, enabling at-will deployments from fortnightly cadence
- Lead technology evaluation and vendor selection for enterprise platforms (\$5M+ investments), balancing TCO, fit, and strategy
- Lead proof-of-concept solutions, accelerating adoption of emerging technologies organization-wide

Bachelor of Commerce 1995-1998
Delhi University, Delhi, India

Certifications

AWS Certified Machine Learning – Specialty, 2025
Google Cloud - Professional Cloud Architect, 2025
HashiCorp Certified: Terraform Associate (003), 2024
AWS Certified Solution Architect Professional, 2021
AWS Certified DevOps Professional, 2021
Microsoft Certified Azure Data Fundamentals, 2021
Microsoft Certified AI Fundamentals, 2021
Microsoft Certified Azure Fundamentals, 2021
Scrum.org Professional Scrum Master I, 2019
Microsoft Certified Azure Sol. Arch. Expert, 2019
AWS Certified Sol. Architect Associate, 2019
AICPCU, INS21 American Insurance, 2008
Microsoft Certified Professional .NET 2.0, 2007

Additional Information

- Fluent in English and Hindi
- Frequent speaker and contributor to AWS-related forums and YouTube channel (AWSCloudBytes).

Social Profile Links

- LinkedIn
<https://www.linkedin.com/in/bhaweshkumar/>
- YouTube
<https://www.youtube.com/c/AWSCloudBytes>

References

Available upon request

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- Serve as primary architecture partner to Engineering, Product, Risk, and Compliance, facilitating cross-department alignment

Software Architect/Manager

SPR Consulting LLC, Chicago IL

May 2014 – February 2021

- Led architecture practice across financial services, insurance, and healthcare clients, establishing governance frameworks and cloud modernization strategies
- Migrated three enterprise applications to AWS including PCF platform, achieving \$2M annual savings in licensing and infrastructure costs
- Transformed monolithic applications into serverless architectures using Lambda and Step Functions, delivering \$1M+ cost reduction
- Implemented Docker and Kubernetes container orchestration, establishing CI/CD pipelines and deployment strategies for enterprise clients
- Established architecture standards for microservices, APIs, and cloud infrastructure adopted across 50+ development teams
- Led architecture design reviews and governance for \$20M+ in projects, ensuring alignment with business objectives and regulatory requirements
- Built and mentored cross-functional architecture teams, developing technical capabilities and reducing client hiring costs

Senior Manager – Projects

Cognizant Technology Solutions, Chicago, IL

March 2013 – April 2014

- Led architecture for commercial credit card processing systems in PCI-DSS regulated environment at JPM Chase, improving efficiency and scalability
- Architected fault-tolerant transaction systems ensuring regulatory compliance, data security, and audit requirements for major financial institutions
- Built and mentored cross-functional teams of 20+ engineers, establishing architecture standards and reducing hiring costs

Architect

Fiserv Inc, Chicago IL

April 2012 – March 2013

- Designed Life/P&C insurance policy administration systems for Fortune 500 carriers, ensuring compliance with state regulations
- Developed custom server-side session and cache management, optimizing application performance.