



Bhawesh Kumar



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Professional Summary

Accomplished Senior Principal Software Architect with 22+ years of experience, specializing in designing sophisticated software systems across diverse products. Collaborative approach, partnering with global teams, catalyzing large engineering efforts, and providing expert guidance aligned with long-term strategic objectives.

Dedicated to ensuring code quality through meticulous reviews, fostering continuous learning, and advocating best practices for performance, reliability, scalability, security, and reusability. Proficient in agile practices, AWS & Azure Cloud technologies, empowering engineering teams for success.

EMPLOYMENT

Senior Principal Software Architect

Morningstar Invest. Mngt. LLC



Mar 2021-Present



Chicago

- Architect software systems for product engineering efforts.
- Collaborate with global product, design, developers, and QA teams.
- Align architectural direction with strategic technology and product objectives.
- Conduct code reviews, address technical challenges, and explore innovative proof of concept solutions.
- Provide comprehensive oversight of software development and product architecture, emphasizing integration points.
- Partner with senior management to create tactical and strategic technology roadmaps.
- Advocate and enforce best practices for performance, reliability, scalability, security, and reusability.
- Evangelize successful approaches and share insights to enhance adaptability within the engineering organization.
- Demonstrate expertise in developing commercial-grade software, emphasizing distributed and real-time systems.
- Define and maintain application architectures for sophisticated end-user software.
- Possess deep knowledge of various technology components and stacks, utilizing agile development practices.
- Utilize AWS Cloud technologies for scalable and efficient solutions.
- Proficiently handle a diverse range of programming languages and platforms.

Manager/Software Architect

SPR Consulting LLC



May 2014-Feb 2021



Chicago

- Migration of 3 apps to AWS, one from PCF, saved 2M in license & platform cost.
- Migration from monoliths to serverless saved 1M+ on VMs & license costs.
- Participate in inception, establish current & future state, risks, and constraints.
- Produce architecture & design for custom development projects.
- Design highly available, reliable, and scalable solutions in the cloud.
- Architect microservices using AWS Lambda, Serverless framework.
- Virtualization using Docker and exposure to Kubernetes.

EDUCATION

Master of Computer Applications

IGNOU, Delhi, India



2000-2003

Bachelor of Commerce

DU, Delhi, India



1995-1998

TECH TAG CLOUD

Hibernate
Serverless
Redux BitBucket JMeter
Oracle DynamoDB Swagger MacOS
Microservices Java
REST SPASpring
Container Windows ExtJS
CloudFormation EC2 Security
Performance AzurePL/SQL
Monitoring PCF S3 MQ
SaaS Tomcat Splunk TDD C#
AOP WCF Docker Mockito
SQL React DW T-SQL TFS
Maven PaaS Octopus AWS SOA
IIS Elasticsearch Dojo
MyBatis JMS CodeBuild OAuth SOAP
Linux NFR .NETIaaS ETL
IntelliJ Python IAM Locust
Angular Visio Concourse
Git Control-M CI-CD Karma
JIRA XMIND Jenkins
Sumo ASP.NET JPA
Jasmine Redis JUnit
Architecture API
Gradle MongoDB CloudFront
DTS Design ElastiCache
Analytics NUnit Blue/Green
JavaScript Lambda
DevOps
Scalability TypeScript



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- Built rapid searches and auto-completes using Elasticsearch.
- Implement blue-green deployments to save time and effort rolling releases.
- Integrated unit test, code coverage & load test in CI-CD pipelines.
- TDD for a couple of projects saved thousands of hours on review and testing.
- Establish processes e.g., branching, code promotion, and release strategy.
- Efficiently managed and reduced cloud hosting costs for several clients.
- Help identify, engage, and manage external implementation partners.
- Achieved higher YoY adoption for the applications.
- Manage several 20M+ projects in last 12 years of IT career.

Senior Manager – Projects

Cognizant Technologies Solutions  **Mar 2013-Apr 2014**  **Chicago**

- Architect commercial credit card Backoffice application processing.
- Engage with stakeholders - Business, BA, Engineering, QA, and other teams.
- Create architectural documents & design specs, present them to review boards.
- Produce POC in C#, Java, or web technologies.
- Built cross-functional teams by internal training, saving on hiring costs.
- Mentored and managed a team of developers.

Architect

Fiserv Inc  **Apr 2012-Mar 2013**  **Chicago**

- Architect life insurance applications for major insurance providers.
- Built custom server-side session/cache management.
- Several POC in C# and SPA (Dojo, Dijit).
- Built search module with state wise search for insured.
- Create server managed navigation based on the actions of the client.
- Establish design standards and deliverables.

Senior Consultant

Polaris Software Labs  **Oct 2011-Apr 2012**  **Tokyo**

- Built a large online/offline golf course management application.
- Worked in a multi-cultural, multi-lingual team with virtual teams.
- Built a complex golf course registration/cancellation program.
- Created a DW to analyze customer patterns at 150+ golf courses.
- Created a sales module with HQ pricing with golf course overrides.

Senior Project Lead

Fiserv Inc  **Jul 2007-Oct 2011**  **Kalispell**

- Built multi-layered, unit tested claims, and policy projects for P&C Insurance.
- Rewrite of policy application from legacy AS400.
- Rewrite of payments module from AS400, resolving payment anomalies.
- Create TFS builds, continuous integration through TFS builds.
- Implemented MVP in ASP.NET allowing the presenter to manage views.
- Built cross-functional team rotation and internal learning programs.

Project Lead (ME Band)

Perot Systems (DELL)  **Mar 2007-Jul 2007**  **Noida**

- Built psychometric test project for SHL UK.

Senior Software Development Engineer

McAfee Software India Pvt. Ltd.  **Jul 2006-Mar 2007**  **Bangalore**

- Created McAfee BullsEye product for McAfee's internal.

NOTABLE PROJECTS

Manage My Business 2.0

Architected a dashboard for a very large consulting company with varied level of information, analytics, and metrics used for making business decisions.

project44 (Advanced visibility platform)

Built UI in React with Redux for UI state. Use of HERE map, sagas, Spring boot, and docker.

FloodXChange (Policy & Claims)

Built flood insurance Policy and Claims products for a flood insurance processor. It included the migration of policy from AS400 to the .NET technology stack.

CERTIFICATIONS

AWS Certified Sol. Arch. – Professional

AWS  **2021**

AWS Certified DevOps – Professional

AWS  **2021**

MSFT Certified Azure Data Fundamental

Microsoft  **2021**

MSFT Certified AI Fundamentals

Microsoft  **2021**

MSFT Certified Azure Fundamentals

Microsoft  **2021**

Professional Scrum Master I

Scrum.org  **2019**

AWS Certified Sol. Arch. – Associate

AWS  **2019**

MSFT Certified Azure Sol. Arch. – Expert

Microsoft  **2019**

MSFT Certified Professional .NET 2.0

Microsoft  **2007**

INS21 American Insurance certified

AICPCU  **2008**

- Built this product from scratch, released it in 6 months.

Senior Software Engineer

MIND Limited  **Aug 2004-Jul 2006**  **Noida**

- Built products for Sumitomo Wiring Systems, Japan.
- Products include warehousing, training, and bill of material generation.

Software Engineer

Shakti IT Services – Nucleus Soft.  **Jan 2004-Aug 2004**  **Noida**

- Built retail banking products for Account Opening, Housing loan, and internal MIS of Shinsei Bank, Japan.

Software Engineer

Mac-Win Software India Pvt. Ltd.  **Oct 2000-Jan 2004**  **Delhi**

- Built census data, birth & death register, other projects for Govt. of India.