KARAN SHARMA

Solution Architect - Digital Customer Experience

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SUMMARY

Accomplished Solution Architect with 13+ years of experience driving digital customer experience and distributed architecture transformations. Expert in Micro-Frontend (React), Microservices, and Azure, with a strong record of modernizing legacy systems for higher agility and business value. Successfully architected technical strategies for major M&As, leading to business continuity.Renowned for effective cross-functional leadership and stakeholder alignment, expediting project approvals and supporting strategic objectives.

EXPERIENCE

Principal Architect
Honeywell

📅 06/2025 - Present

- Led a $4.5M legacy app migration project at Honeywell Aerospace, enhancing digital customer experience and supporting strategic goals.
- Defined AI initiative to enhance customer experience and enable cross-selling, implementing recommendation engine.
- Spearheaded SEO strategy, incorporating keyword research, on-page optimization, and Product URL strategy all while ensuring website architecture and content aligned with search engine algorithms, resulting in a 30% increase in organic traffic to key product pages.
- Leveraged data analytics to monitor SEO performance, identify areas for improvement, and refine strategies to maintain top rankings and drive continued revenue growth.
- Directed architecture strategy for Building Automation SBG valued at $4M, overseeing integration solutions to support digital transformation.
- Spearheaded technical integration efforts for 2 Mergers and Acquisitions, developing and implementing integration plans aligning acquired entities with company-defined processes within a 3-month timeframe.
- Drove the organizational shift towards modernizing web application architecture by advocating for and implementing a simplified, scalable Technology landscape and driving the adoption of a micro-frontend architecture across the organization.
- Led digital modernization projects as Solution Architect, including implementation of micro frontend architecture and upgrading search experience using the Coveo platform, directly contributing to higher customer satisfaction scores (CSAT).

Lead Architect
Honeywell

📅 08/2023 - 06/2025

- Developed and implemented scalable architectures to integrate legacy systems with modern platforms, resulting in a 20% improvement in operational efficiency and 60% reduction in technical debt.
- 35% Decreased web application development costs by establishing a standardized micro-frontend framework and promoting code reusability across teams.
- Increased web application deployment frequency by 60%, improved page load times by 83%, and increased user engagement by 23%.
- Established a robust governance framework, incorporating regular reviews with EA and Security, resulting in a 34% reduction in production release disruptions and improved cross-functional collaboration.
- Developed serverless solutions, reducing infrastructure costs by 35%.

KEY ACHIEVEMENTS

🏅 Merger and Acquisition

Led the successful technical integration of 2 M&A, establishing a framework and processes that streamlined IT integration, accelerated TTM (Time to Market) by 50%, improved operational efficiency by 20%, and reduced technical debt by 60%.

❄️ Modernized Web App: Cost Savings, Faster Delivery, Increased Engagement

Implemented micro-frontend architecture, achieving significant improvements: 80% time to market, 35% cost reduction, 4x deployment frequency, 83%-page load speed, and 23% user engagement.

📈 Business Growth & Digital Transformation

Contributed to 2% YOY business growth by digitalizing revenue channels (automated RMA, online training orders).

🗘 Increased Team Collaboration and Operational Efficiency

Improved software delivery predictability and efficiency through standardized processes, achieving a 20% velocity increase, 18% reduction in support tickets, 24% fewer integration issues, 25% fewer sprint disruptions, and 38% better PI predictability.

$ Legacy Application Migration: Cloud Migration and Cost Reduction

Devised strategy for flawless and timely migration of critical legacy applications from on-prem environment to Azure Cloud in 4 weeks, reducing application cost by 30%.

💼 Security Compliance and Risk Reduction

Attained 100% security compliance and slashed time to identify security risks by 70% through automation and integrating security scan tools in DevSecOps pipelines.

⏳ Time to Market Reduction: Automation and DevSecOps

30% decreases in TTM (Time to Market), through automation of infrastructure and automating release management process as part of DevSecOps.

₿ Infrastructure Cost Optimization: Cloud Optimization, Cost Reduction, Serverless Architecture

Developed Serverless solutions using AWS Lambda and Azure Functions, optimizing resource utilization, and reducing infrastructure costs by 35%.

EXPERIENCE

Senior Advance Software Engineer
Honeywell

📅 09/2017 - 08/2023

- Migrated critical Apps to Azure in 4 weeks, reducing cost by 30%.
- Modularized monolithic application into 6 microservices, decreasing maintenance overhead by 50% and increasing reliability by 20%.
- Automated infrastructure and release management, decreasing time-to-market by 30%.
- Implemented disaster recovery process and reduced SLA/SLIs by 40% through proactive monitoring and performance testing.
- Increased company revenue by 1% through implementation of EDI framework which enables ERP Systems to Honeywell ERP systems (SAP).
- Saved $10M spent on licensed tools annually like Splunk by Implementing Enterprise Log Monitoring using Elastic-Stack (Open Source).

Senior Engineer
Honeywell

📅 04/2016 - 09/2017

- Led end-to-end development of 20 new features.
- Increased team velocity by 20% through implementation of new development guidelines and processes.
- Collaborated with different teams and clients for on time delivery.
- 10% decrease in time spent in project status tracking through Creation of automated Dashboards for tracking and identifying the risks proactively.

System Engineer
Tata Consultancy Services

📅 03/2013 - 04/2016

- Created a middleware component using java, Spring and Hibernate to connect health-watch application with IIB (data Power).
- Created SOAP Webservices to transfer DIS provided info to other apps.
- Developed custom logging framework using AspectJ Framework.
- Worked on performance analysis using MAT (Memory Analysis Tool).

SKILLS

Enterprise Platform and Cloud
Adobe Experience Manager, Salesforce, Informatica, Azure

Search Engines
Elasticsearch, Coveo

Software Architecture
TOGAF, Distributed System Architecture, Event-Driven Architecture, Microservice Architecture, Cloud-Native Architecture

Programming Language
Java 8, ReactJs, HTML5, JavaScript, jQuery, CSS3, SCSS/SASS, Python

Programming Frameworks
Spring, Spring Boot, Hibernate, Maven, MVC, JPA, Next.js, Material-UI

DevSecOps (CI/CD/Security)
GitHub, Opsera, Octopus, Bitbucket, Coverity, Black Duck, Bamboo, Jenkins

Databases
Oracle, MSSQL, Elastic (No-SQL), AWS RDS

Server
Apache Tomcat, JBoss, WebSphere Application Server, WebSphere Portal Server

CERTIFICATIONS

Software Security Practitioner Software Architect
Security Compass

Coveo Platform Developer Certificate
Coveo

Microsoft Azure Fundamentals
Microsoft

AWS Fundamentals: Going Cloud-Native
AWS

Lean Six Sigma Green Belt Certification
Honeywell

Certified SAFe 4 Agilist
Scaled Agile

SAP Commerce Cloud Record of Achievement
SAP

SAP Business Platform Technology Record of Achievement
SAP

Microservices Fundamentals - IBM
Coursera (IBM)

API Design and Fundamentals of Apigee API Platform
Coursera (Google)

Python for Everybody
Coursera (University of Michigan)

EDUCATION

B-Tech in Computer Science Engineering
Punjab Technical University
📅 2008 - 2012

Higher Secondary School Certificate
C.B.S.E
📅 2006 - 2008

Secondary School Certificate
I.C.S.E
📅 2006

LANGUAGES

English
Proficient ●●●●○

Hindi
Native ●●●●●

Punjabi
Native ●●●●●