Harendra Kumar

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Louisville, KY, USA

SUMMARY

- An equipped professional over 14 years of commendable success in designing, developing and optimizing scalable, high-performance applications
- Master's in Technologies with Specialization in Software Engineering from Bits Pilani
- In-depth experienced in **Micro-services, Cloud Platforms(AWS , GCP), Server-less Architectures, Design Principles & Patterns, Domain Driven Design, Digital Transformation, Enterprise-grade solutions development and Delivery**
- Adept in **Data Architecting**, **Technical Management** and handling projects efficiently for delivering required applications a systematic way
- Experienced in **API Definitions**, **Rest APIs**, **Websites**, **Apps**, **Webhooks, Research, Innovative software solutions**
- Hands on experience in **Java, J2EE, TypeScript, JavaScript, NodeJS, Python, HTML, CSS, JSON, XML, YML**
- Hands on experience in **Docker**, **GKE**, **Containerizing** and **scaling apps**
- Hands on experience in **Securing applications, APIs**
- Expert in optimizing micro-services with the use of **server-side/API-gateway caching** using **AWS Elasticache, Redis** etc
- Hands on experience of working with Big Data technologies such as **Big Table, Kinesis, Hadoop, Mongo DB**
- Understands various concepts of **design principles** and **continuous Architecture** to be able to continuously grow Software systems
- Skilled in **Database designing**, **normalizing**, **defining data structures**, **data modeling**, understands **CAP theorem**
- Experienced in building **search platforms** using **Splunk, Elasticsearch**
- Experienced in architecting and working on multiple projects in parallel with various process models including **Agile** methodologies
- Experience in enhancing system's **stability, optimizing recovery processes,** and **collaboration with teams**
- Experienced as **Site Reliability Engineer(SRE),** ensuring system reliability, scalability, and performance by proactively monitoring, analyzing, and resolving productions issues.
- Lead **incident management, root cause analysis(RCA),** and **postmortems** to drive continuous improvement
- Integrated GKE services with App D for analytics to identify customer buying, patterns, issues
- Believes in process automation using **CI/CD** using **GIT**, **Jenkins**, SonarQubes, Nexus Repos and **Terraform**
- Ability to independently multitask, be a self-starter in a fast-paced environment, communicate, fluidly and dynamically with the team and perform continuous process improvements with out of the box thinking
- Enthusiastic learner and problem solver

TECHNICAL SKILLS

Languages: Java, Spring Boot, Spring Cloud, Spring Batch, JavaScript, TypeScript, Python

Technologies Known: RESTful API Design, Server-less Architecture, Open API definition, CI/CD, Responsive Design, React JS, NextJs, Android, CSS, HTML5, CSS, Kafka

Google Cloud Platform: GKE, Firestore, Pub/Sub, BigTable, IAM, Endpoints, GCS, Vertex AI, Cloud Functions

Amazon Web Services: Lambda, Cognito, DynamoDB, API Gateway, S3, Elastic-search, Kinesis, Redshift, RDS, EC2, Elasticache

Infrastructure: Docker, Kubernetes, Terraform, Jenkins, Harness.io, CloudFormation

Security & Authentication: JWT, OAuth, API Keys, AWS Signature, GCP Authorization

Databases & Storages: SQL, DynamoDB, Firestore, Mongo DB, Couch DB, Redis, Big Table, GCS, S3

Design & Collaboration Tools: Lucid Charts, Figma, Postman, Swagger, Jira, Confluence

PROFESSIONAL EXPERIENCE

HCLTech — Sr. Technical Architect — PapaJohns — April 2019 to Present

- **Led** team of 5 members reporting into me for high quality delivery as System Architect of Unified Commerce Platform
- Mapped the business function and non-functional into technical requirement
- Identified services as Micro-services with specific bounded context by understanding legacy and bulk application

- Designed and implemented scalable micro-services architecture for omni channel
- Crafted high-level design documents that outlined the overall system architecture, component relationships, and integration points providing a comprehensive blueprint for the project
- Developed detailed low-level designs for each component, clearly illustrating system interactions through sequence and object diagrams to guiding development teams, ensuring precise implementation and alignment with the overall system architecture
- Implemented resiliency patterns, such as load balancing and failover mechanisms, to ensure system robustness and high availability
- Created service contracts using API definition tools like Swagger
- Defined synchronous and asynchronous component along with their triggers for sync data using GCP dataflow
- Established resiliency patterns to manage system failures and ensure high availability
- Prepared SAW(Software Architecture Workbooks) and presented in ERB(Enterprise Review Board)

Rsystems — Tech Lead — Centivo, Healthcare, USA — May 2018 to Dec 2018
- **Led** a team of 4 Engineers directly reporting into me
- Mapped the business function and non-functional into technical requirement
- Assisted in identifying and resolving architectural issues encountered during the development and review processes
- Developed and tested RESTful APIs using Postman heading HTTP requests and API orchestration
- Identified services as Micro-services with specific bounded context by understanding legacy and bulk application
- Provided technical guidance and support to design and development teams, ensuring the successful implementation of solutions
- Enforced best practices and leveraged code quality tools maintain high standards of code quality and reliability
- Show casing and demonstration of the work after every sprint
- Resolved bugs and enhanced business functionalities

Rsystems — Tech Lead — Accenture Video Streaming , Super Platforms — July 2017 to May 2018
- **Led** a team of 4 Engineers directly reporting into me
- Mapped the business function and non-functional into technical requirement
- Assisted in identifying and resolving architectural issues encountered during the development and review processes
- Developed and tested RESTful APIs using Postman heading HTTP requests and API orchestration
- Identified services as Micro-services with specific bounded context by understanding legacy and bulk application
- Provided technical guidance and support to design and development teams, ensuring the successful implementation of solutions
- Enforced best practices and leveraged code quality tools maintain high standards of code quality and reliability
- Show casing and demonstration of the work after every sprint
- Resolved bugs and enhanced business functionalities

HCLTech — Tech Lead — Channel 4 — Feb 2016 to Jul 2017
- **Led** a team of 7 Engineers directly reporting into me
- Mapped the business function and non-functional into technical requirement
- Developed and tested RESTful APIs using Postman heading HTTP requests and API orchestration
- Identified services as Micro-services with specific bounded context
- Issue Resolutions & Timely Delivery by maintaining high quality
- Wrote code with best design pattern and ensured performance and scalability
- Guided team by code review and assisted them write code in layers and in patterns

Wipro Technology — Senior Software Engineer — Credit Suisse, LLK — Jun 2012 to Jan 2016
 Understood project requirements and contributed to the design process

- Developed core application components and assisted the team with implementation
- Conducted code reviews, provided feedback and ensured code quality
- Addressed review comments and fixed issues to maintain high standards
- Identified and resolved bugs efficiently
- Ensured timely project delivery by managing development priorities

Wipro Technology — Student Computer Application — SFS, Citi Bank — Oct 2010 to Jun 2012
- Understood project requirements and contributed to the design process
- Developed core application components and assisted the team with implementation
- Conducted code reviews, provided feedback and ensured code quality
- Addressed review comments and fixed issues to maintain high standards
- Identified and resolved bugs efficiently
- Ensured timely project delivery by managing development priorities

EDUCATION

(M Tech)Master of Technology Major**: Software Engineering** from **BITS Pilani, Rajasthan, India — 2014**

BCA (Bachelor of Computer Application), from **Agra University, India — 2010**

PUBLICATIONS

- Server-less with AWS: **https://github.com/hjadon27/Designs/blob/master/Serverless-Rekognition-Usecase.jpg**
- IOT with AWS: **https://github.com/hjadon27/Designs/blob/master/IOT-Usecase.jpg**
- Simple GCP serverless: **https://github.com/hjadon27/Designs/blob/master/gcp_springboot_api.png**

LEADERSHIP EXPERIENCE

- Worked as mentor for big projects at HCL Tech by mentoring over 400 candidates on fixed timelines
- Micro-services SME at HCLTech assisting customers with Digital Transformation
- Led College Hire Recruiting Program at HCLTech or 3 years (2015-2016)
- Teaching Assistant for high school students at a summer program organized by NIIT in Summer of 2014