

Utkarsh Bhavsar

Software Architect

SUMMARY

- **10+ years of experience** in software architecture and development, specializing in cloud-native microservices and scalable solutions.
- **Proven expertise** in integrating advanced technologies such as Generative AI, OCR, and NoSQL databases to enhance system performance and efficiency.
- **Extensive experience** with modern frameworks and tools including Spring Boot, Keycloak, Docker, and AWS, driving successful project outcomes in various domains.
- **Demonstrated leadership** in migrating legacy systems, designing robust microservice architectures, and implementing real-time data processing solutions.
- **Skilled in** Behavior-Driven Development, Test-Driven Development, and agile methodologies, ensuring high-quality deliverables and efficient development processes.

EXPERIENCE

KNIPPER – ARCHITECT, APEXON

Sept 2023 – Present

- Developed architectural proposal for integrating OCR and machine learning solutions to enhance operational efficiency in pharmaceutical services at Knipper.
- Spearheaded the integration of Generative AI into Knipper's ecosystem, advancing their transformation into an AI-driven company.
- Collaborated with cross-functional teams to design and implement AI solutions, optimizing marketing, distribution, and patient support programs for the life sciences industry.

AUTOPROTECT – LEAD ENGINEER, APEXON

Aug 2023 – Sept 2023

- Conducted research on OCR technology and developed a Proof of Concept for Automatic Number Plate Recognition (ANPR) to enhance operational capabilities at Autoprotect USA.
- Designed and implemented ANPR solution to streamline vehicle identification and improve efficiency in extended vehicle protection services.

AVM – LEAD ENGINEER, APEXON

Aug 2023 – Sept 2023

- Developed a Proof of Concept for code generation using Generative AI plugins for VS Code and IntelliJ, enhancing developer productivity at AVM (Add Value Machine).

CONTACT DETAIL



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STRENGTH

★ TECHNOLOGICAL INNOVATOR

I excel at integrating advanced technologies and creating cutting-edge solutions to drive business efficiency and performance

★ LEADERSHIP & COLLABORATION

I effectively lead teams and collaborate across functions to deliver successful project outcomes and innovative solutions

★ ADAPTABLE ACROSS INDUSTRIES

Delivered tailored solutions in digital marketing, pharmaceuticals, IoT, and banking, showcasing versatility.

- Collaborated on advanced AI-driven solutions for code automation, contributing to innovation in AVM's software development processes.

VOLTERA EV – LEAD ENGINEER, APEXON

May 2023 – Jul 2023

- Contributed to the integration of OCPI standards in one of the key modules within Voltera Power's microservice architecture, enhancing EV charging compatibility.
- Worked independently to implement OCPI protocol features in a module, supporting the seamless integration of EV charging standards.

KAISER PHARMACY – LEAD ENGINEER, APEXON

Feb 2023 – Apr 2023

- Developed an email categorization system for Kaiser Pharmacy using Google Dialogflow's NLP engine to classify and prioritize pharmacy-related emails.
- Created NLP-driven rules for automated sorting and prioritization, improving workflow efficiency and customer service.

APEX KEYCLOAK – LEAD ENGINEER, APEXON

Jan 2023 – Mar 2023

- Developed a productized IAM solution with Keycloak IDP, offering out-of-the-box features for secure authentication and access management.
- Designed and implemented custom authentication flows, creating ready-to-use connectors to streamline integration across applications and services.
- Enhanced security and scalability by delivering a plug-and-play IAM solution, tailored to meet the authentication needs of enterprise environments.

BCBSM – LEAD ENGINEER, APEXON

Mar 2022 – Sep 2022

- Led a team to successfully migrate Blue Cross Blue Shield of Michigan's legacy Spring application to a modern Spring Boot framework and the latest Java LTS version.
- Spearheaded the redesign and transition to a microservice architecture, improving scalability and performance for critical healthcare services.

IFS MICROSERVICES – LEAD ENGINEER, APEXON

Dec 2021 – Mar 2022

- Contributed to companywide standards by formulating best practices for microservices, ensuring consistency and scalability across the organization.
- Developed a ready-to-use boilerplate code implementing microservice design patterns, streamlining development and deployment processes.

FASTDATA GRID – LEAD ENGINEER, APEXON

Oct 2021 – Dec 2021

- Contributed to the development of a productized FastData Grid solution, leveraging serverless functions, Kafka, and Debezium for real-time data synchronization and cross-database connectivity.

SKILLS

- **Technologies & Frameworks:** Spring Boot, Microservices, Spring Security, Keycloak, Spring Data JPA, Bootstrap, Docker, AWS EKS/ECS, Serverless, AngularJS
- **AI & ML tools:** Google DialogFlow, LLM, Generative AI, Copilot Studio
- **Data & Data Processing:** Apache Solr, Apache Kafka, Debezium,
- **Database:** MySQL, MongoDB, Cassandra
- **Development Practices:** BDD with Serenity, TDD with Cucumber, Git
- **Testing & Integration:** Junit 5, Mockito
- **Cloud & Containerization:** AWS, Docker

ACHIEVEMENTS

- AWS Certified Solution Architect - Associate
- M101J: MongoDB for Java
- JDK 8 Massive Open and Online Course
- GCP Fundamentals – coursera
- Won 1st prize for Apexon GenAI - Hackathon 2024
- COC for Copilot Studio (CSIAD)
- Apexon Client trailblazer
- Apexon Best Lead Q3 22-23

- Integrated change data capture (CDC) technology using Debezium, enhancing application performance and ensuring seamless data flow across databases.
- Optimized in-memory data grid performance by implementing a scalable, serverless architecture with Kafka for efficient event-driven data processing.

TECHCOMBANK VIETNAM – SENIOR SOFTWARE ENG,
MOBIQUITY
Jan 2021 – Sep 2021

- Developed cloud-native microservices for Techcombank, focusing on resilience, manageability, and observability to enhance banking services
- Led the design and implementation of banking microservices using Backbase, optimizing the platform for scalable and efficient financial transactions.
- Enhanced Techcombank's digital infrastructure by creating robust, observable microservices that streamline banking operations and improve service delivery.

KLANTENVERTELLEN – SENIOR SOFTWARE ENG, MOBIQUITY
Feb 2016 – Dec 2020

- Actively participated in the planning, design, and implementation of key features for Klantenvertellen's digital marketing platform, including questionnaires, review moderation, and SEO integrations.
- Integrated NoSQL databases with Apache Solr for efficient indexing of Big Data, enhancing search and analytics capabilities for SME clients.
- Developed a migration application using Apache Kafka to seamlessly transition multiple legacy platforms, improving user experience and system performance.

CLICKEY – SOFTWARE ENG, MOBIQUITY
Aug 2015 – Jan 2016

- Developed service APIs and a dashboard for real-time tracking and management of IoT devices at Clicky.
- Enhanced IoT device functionality by creating scalable solutions for tracking and event processing, optimizing performance and reliability.

ROID – SOFTWARE ENG, MOBIQUITY
Jun 2015 – Jul 2015

- Developed the ROI Dashboard, an event aggregation module, using AngularJS and Bootstrap for the frontend, and Spring with Cassandra and AWS S3 for backend services.
- Created data processors and aggregators to efficiently analyze and visualize big data, providing actionable insights and statistics.

MOBIQUITY API GATEWAY – SOFTWARE ENG, MOBIQUITY
Nov 2014 – June 2015

- Developed connectors for the Mobiquity ApiGateway platform, integrating Serenity BDD with NoSQL databases such as Apache Cassandra, MongoDB, and HBase for enhanced testing and data management.
- Supported secure and rapid development of mobile and web applications by implementing flexible integration solutions within the ApiGateway framework.

QUALIFICATION

B.E. Computer GTU (2010-2014)