

Kunal Pahwa

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SUMMARY

Senior Engineer with over 4 years of experience in Full Stack Development. Proficient in Java, React, Python, and .NET. Expertise in designing, developing, and deploying scalable web applications. Strong leadership in project execution, problem-solving, and collaboration. Experienced in mentoring and continuous improvement. Passionate about using advanced technologies to enhance user experiences and meet business objectives.

WORK EXPERIENCE

The Boston Consulting Group — Full Stack Engineer **May 2023 - Present**

- Delivered AI solutions for Fortune 100 clients in Supply Chain, Finance, and Taxation domains.
- Managed end-to-end solution delivery from requirements gathering to client delivery, collaborating with principals, consultants, and case teams.
- Developed highly configurable, rule-based user interfaces for multiple clients, providing reactive UI with exceptional flexibility.
- Optimized backend APIs to achieve industry-standard response times, reducing latency to milliseconds.
- Utilized Docker for project deployment, ensuring maximum ease of deployment and scalability.
- Benchmarked various Generative AI models, including GPT-4, GitHub Copilot, LLaMA-70B, Claude Opus, and AWS CodeWhisperer, to determine the best fit for organizational needs.
- Led a team of engineers in a BCG Hackathon to develop a Generative AI tool, which evolved into a full-scale project for the organization.
- Collaborated with cross-functional teams to ensure seamless integration of AI solutions into existing systems, enhancing overall operational efficiency.

Accenture Technology — Senior Software Engineer **Sept 2020 - April 2023**

- Designed and Developed the Back-end of a Metaverse Trust and Safety application from Scratch, leveraging Outbox Design Pattern, Kafka based Micro-service Messaging Architecture to ensure Scalability and Application Agility.
- Researched and Implemented Kubernetes Event driven Autoscaling (KEDA) built on Apache Kafka in an AKS Cluster.
- Researched and Developed an Open Source, Linux native Image processing API which reduced processing time from Approx. 30 minutes to less than 5 seconds without any reduction in Output Quality.
- Integrated Azure Form Recognizer, AWS Rekognition, Blob Storage, Async Architecture, Callback APIs, Merge Engine and HTTP/s Retry mechanisms which has enabled High tolerance, Higher resiliency and an increase in AI Data capture Accuracy by 5 times, Making the application much more versatile.
- Lead the Migration of the application from Linux On-Prem to Azure Kubernetes Services (AKS), and conducted training for Deployment team on how to support and manage AKS deployments and DevOps Pipelines.
- Developed and presented findings and solutions to audiences including senior executives and stakeholders. Highly Recognized by Accenture Leaderships (MDs) and Senior managers.

SKILLS

Frameworks:	.NET, Spring Boot, Django, React.js
Programming Languages:	C#, Java, Python, JavaScript, SQL
Software Development:	REST API, Serverless, CRUD, Microservices, Kafka
Cloud:	Azure, AWS, GCP
Certifications:	AWS Cloud Practitioner, AZ-900, AI-900

ACHIEVEMENTS

TechStar 2022	Accenture, 2022
ACE Award - Individual Q1, 2021	Accenture, 2021
ACE Award - Group Q2, 2021	Accenture, 2021

EDUCATION

2016 - 2020	B.Tech	(Computer Science & Engineering)	Amity University, Noida
2016	Class 12th	(Science, Math & CS)	CBSE
2014	Class 10th		CBSE

PUBLICATIONS

Pahwa, Kunal and Neha Agarwal (Feb. 2019). "Stock Market Analysis using Supervised Machine Learning". In: *IEEE* 10.1109/COMITCon45641.2019, pp. 197–200. URL: <https://ieeexplore.ieee.org/document/8862225>.