

Usama Kabeer

Expert Senior Full Stack Engineer & Team Lead

SUMMARY

A Senior Full Stack Engineer with a Master's in Information Technology from the University of Central Punjab, distinguished by strong expertise in JavaScript, TypeScript, Python, and notable experience in AI integration. Over 7 years of hands-on engineering practice across various roles in programming and team leadership. Proficiency in full-stack web development, scalable backend architecture, and cloud computing underscored by an excellent track record with Node.js, React.js, Next.js, and NestJS. Possesses extensive knowledge of cloud platforms like GCP and Vertex AI and demonstrates a deep understanding of Agile methodologies, CI/CD pipelines, and DevOps practices. Recognition for effectively leading development teams, mentoring junior engineers, and consistently delivering high-quality software solutions.

TECHNICAL SKILLS

Main Technical Skills	JavaScript (5 yr.), TypeScript (5 yr.), Python (5 yr.), Node.js (5 yr.), React (5 yr.)
Programming Languages	JavaScript (5 yr.), Python (5 yr.), TypeScript (5 yr.)
Mobile Frameworks and Libraries	Crashlytics
Python Frameworks	Django REST framework, Flask
JavaScript Frameworks	Node.js (5 yr.), React (5 yr.)
JavaScript Libraries and Tools	React Native, Redux
Salesforce Ecosystem	Salesforce
Data Analysis and Visualization Technologies	Power BI
Databases & Management Systems / ORM	MongoDB, MySQL, NoSQL, PostgreSQL, SQL
UI Frameworks, Libraries, and Browsers	Bootstrap 4, CSS, HTML, Tailwind CSS
Amazon Web Services	AWS ECS, AWS ECS (Amazon Elastic Container Service), AWS Lambda
Azure Cloud Services	Azure DevOps
Deployment, CI/CD & Administration	CD DevOps pipelines



Virtualization, Containers and Orchestration	Docker
Version Control	Git
SDK / API and Integrations	GraphQL, RESTful API, Stripe
QA, Test Automation, Security	Jest, JUnit, QA Automation, Selenium
Platforms	Salesforce, Shopify

WORK EXPERIENCE

Senior Full Stack Software Engineer & Team Lead, Google's Search & Conversation Application

Duration: May 2023 - May 2024

Summary: Led the development of a custom AI-driven Chat and Search application leveraging Google Vertex AI, Gemini, and GCP Datastore, designed to help users query and retrieve insights from organizational documents and data.

Responsibilities: Built ingestion pipelines, engineered a Gemini-style unified interface, implemented robust document tracking and source attribution, and enhanced user experience with real-time document previews and seamless file downloads.

Technologies: Google Vertex AI, Gemini, GCP Datastore

Senior Full Stack Software Engineer & Team Lead, Google's AI Adjudicator

Duration: May 2023 - May 2024

Summary:

- Developed a legal adjudication application for processing and analyzing legal cases using Google Vertex AI (Gemini), Document AI, and U
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- legal documents as contextual data helping solve over 200 cases of illegal termination

Responsibilities: Automated ingestion and parsing of legal files, engineered prompts for Gemini, integrated a Search and Conversation app, built a seamless pipeline to feed data into GCP Datastore, and ensured AI-driven judgements were transparent and traceable.

Technologies: Google Vertex AI, Document AI, GCP Datastore

Senior Full Stack Software Engineer & Team Lead, Google's Grant AI

Duration: May 2023 - May 2024

Summary: Built Grant AI, a platform designed to connect researchers with relevant collaborators using Google Scholar data, vector embeddings, and Google Vertex AI for intelligent matchmaking fostering easier collaboration for 200+ researchers globally.

Responsibilities: Integrated SERP API, engineered a system for vector embeddings, implemented KNN search workflows, designed a post-processing layer using Gemini, and developed a user-friendly portal.



Technologies: Google Scholar, vector embeddings, Google Vertex AI

Senior Full Stack Software Engineer & Team Lead, ECFMG Pathways

Duration: April 2021 - March 2023

Summary: Led architecture and development of applications for ECFMG, leveraging cloud-native technologies and focused on certification platforms for international medical graduates.

Responsibilities: Engineered backend services using Node.js and GraphQL, collaborated on software requirement documents and API specs, managed frontend development, and integrated Power BI dashboards.

Technologies: Node.js, GraphQL, MongoDB, Azure, React.js, TypeScript, Power BI

Senior Full Stack Software Engineer & Team Lead, Portless

Duration: May 2024 - February 2025

Summary: Designed and developed a logistics management application with emphasis on event-driven architecture and real-time database operations.

Responsibilities: Implemented scalable cloud functions, built real-time data pipelines, integrated ERP and e-commerce platform integrations, and employed best practices in CI/CD and monorepo development.

Technologies: React Admin, Node.js, TypeScript, Nx, Google Cloud Functions, Firebase Firestore

Senior Full Stack Software Engineer & Team Lead, Browze

Duration: January 2021 - April 2024

Summary: Contributed to the development and maintenance of an ETL-based legacy logistics application, focusing on data synchronization and system reliability.

Responsibilities: Improved core application logic, maintained API integrations, and resolved critical issues through debugging and troubleshooting.

Technologies: Node.js, Express.js, MongoDB, Heroku, Shopify, Pipe17, ShipStation

EDUCATION

- **Masters in Information Technology**
- Achieved a GPA of 3.89
- 2017

