

AKASH DEEP SHARMA

Results-driven professional targeting roles in **Back-end Development** leverage my expertise in back-end development, cloud computing, and data solutions to build scalable, high-performance applications, while contributing to organizational growth.

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PROFILE SUMMARY

- Highly skilled and detail-oriented **Full-Stack Developer** with **over 3 years** of experience in designing, developing, and optimizing **scalable software solutions**.
- Expertise in **building robust back-end applications** using **Django** and **Django REST Framework (DRF)**, with a strong focus on performance optimization and code quality.
- Proficient in **Snowflake** and **Snowpark** for implementing data-driven solutions, building efficient data pipelines, and processing large-scale datasets in cloud environments.
- Experienced in using **React.js**, **HTML**, and **CSS**, crafting dynamic and responsive front-end user interfaces with a focus on seamless user experiences.
- Hands-on experience **deploying** and **managing cloud infrastructure** on **Google Cloud Platform (GCP)** and **Firebase**, ensuring high availability and scalability.
- Skilled in **integrating** and **developing APIs**, as well as connecting third-party services to streamline data exchange and enhance application functionality.
- Strong **foundation in CI/CD pipelines**, **Git version control**, and **Agile methodologies**, promoting collaborative development and continuous delivery.
- Knowledgeable in **data visualization tools** like **Chart.js** and **Plotly**, providing insightful analytics and business intelligence to end-users.
- Skilled in translating **client needs into impactful technical solutions**, communicating complex concepts to non-technical stakeholders, and **mentoring junior team members** to foster growth and development.



CORE COMPETENCIES

- Software Design & Development**
- Django & Django REST Framework (DRF)**
- Web Application Development**
- Data Solutions & Analytics**
- Cloud Computing (Google Cloud Platform, Firebase)**
- Snowflake & Snowpark**
- API Development & Integration**
- Performance Optimization**
- CI/CD Pipelines & Version Control (Git)**
- Data Visualization (Chart.js, Plotly)**
- Agile Methodologies & Team Collaboration**



CAREER TIMELINE



EDUCATION

- 2022: B.Tech. (Computer Science Engineering)** from Dr. A.P.J. Abdul Kalam Technical University, Lucknow



TECHNICAL SKILLS

- Python, Django, C/C++, Snowflake, Git, ReactJs, TML, CSS, SQL, Node.js



KEY ACHIEVEMENTS

- Awarded **Key Player** recognition for reviving a stalled project within a week, thus leading to its successful conversion into a paying client.
- Engineered a full-stack import/export feature for the **Quotient Quant App**, thus enabling seamless migration from Excel to the app for enhanced visualization of quantitative models like forecaster, screener, and back tester.
- Achieved **Top 3 Placement** in a team-based Data Science competition, thus displaying strong collaboration and delivering impactful, data-driven solutions.
- Honored with the **Eureka Force Award** for innovative contributions, including the development of a custom Python-based data migration tool that streamlined internal processes.



WORK EXPERIENCE

Oct'21 - Present: Kipi.ai

Key Result Areas:

- Spearheading the design and development of sophisticated software solutions, ensuring alignment with organizational objectives and user requirements.

- Supervising the integration of third-party services & APIs to enhance application functionality and data exchange capabilities.
- Collaborating with product managers and stakeholders to gather requirements and translate them into technical specifications for Development Teams.
- Implementing best practices in software development, including code reviews, testing & documentation, to maintain high-quality standards.
- Managing deployment processes on cloud platforms, ensuring seamless transitions from development to production environments.
- Conducting performance assessments and optimizations of existing applications to improve efficiency and user satisfaction.
- Mentoring junior developers, providing guidance on coding standards, design patterns, and best practices in software engineering.
- Leading cross-functional teams in Agile sprints, facilitating daily stand-ups, and ensuring timely delivery of project milestones.

PROJECTS

Scientific Financial Systems - Quotient™

Role: Full-Stack Developer

Tech Stack: Snowflake, Python, React.js, Django, Git

Description: Quotient™ is an advanced financial solution designed for investment managers to analyze large datasets and extract actionable insights. The platform integrates with top financial data providers, offering cutting-edge analytics for portfolio construction and back-testing.

Key Result Areas:

- Developed & maintained both front-end & back-end components of the financial platform, ensured smooth functionality across the system.
- Integrated financial data providers to enable real-time market analysis, enhanced decision-making capabilities for users.
- Implemented sophisticated data manipulation and factor-building functionalities, supported complex financial analysis.
- Built features for portfolio construction using advanced analytical models, streamlined investment management processes.
- Collaborated with cross-functional teams, contributed to the improvement of both the user experience and overall platform performance.

MaxIQ - MaxIQ Assist

Role: Full-Stack Developer

Tech Stack: Python, React.js, FastAPI, Git, Snowpark, Snowflake, Docker, GitHub Actions

Description: MaxIQ Assist is an advanced, prompt-based Business Intelligence (BI) feature integrated into MaxIQ's RevOps tool. This feature allows users to interact with business data through natural language queries, providing them with quick, insightful, and data-driven responses. By harnessing the power of Snowflake's Cortex (Analyst and Complete functions), MaxIQ Assist simplifies complex data queries, making it easier for users to explore data and make informed decisions in real-time.

Key Result Areas:

- Designed and developed the MaxIQ Assist feature from scratch and ensured smooth integration into the existing MaxIQ RevOps platform.
- Built and optimized robust back-end services using FastAPI and focused on performance and scalability.
- Created dynamic, responsive front-end components using React.js and ensured seamless user interactions and a smooth UI/UX experience.
- Leveraged Snowpark and Snowflake Cortex (Analyst and Complete) to convert natural language prompts into actionable SQL queries and visual insights, while enhancing data accessibility for non-technical users.
- Integrated both external APIs and internal data sources to enrich the analytical outputs thus improving the accuracy and relevance of insights delivered to users.
- Utilized Docker and GitHub Actions for continuous integration and deployment (CI/CD), thus ensuring smooth and efficient deployment cycles across development and production environments.

PERSONAL DETAILS

Date of Birth:	31 st July 2000
Languages Known:	English & Hindi
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