

Neeraj Singh Rawat

Senior Software Engineer | Full-Stack Developer

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Professional Summary

Results-driven Senior Software Engineer with 6 years of experience in designing, developing, and delivering scalable, secure, and high-performance full-stack web applications. Proven expertise in Python/Django, Fast API, React.js, ASP.NET Core, C#, Node.js, and cloud-native technologies. Skilled in RESTful API architecture, database optimization (MSSQL, MySQL, PostgreSQL), and CI/CD pipelines. Experienced in collaborating with cross-functional teams in Agile environments to produce maintainable and robust solutions.

Core Competencies

- Programming: Python, JavaScript (ES6+), C#, SQL,
 - Frameworks/Platforms: ASP.NET Core, Django, React.js, Node.js, Databricks
 - Databases: MSSQL, MySQL, PostgreSQL, Redis
 - Cloud & DevOps: Azure, AWS, DigitalOcean, Docker, Azure DevOps, GitHub Actions, CI/CD
 - API & Security: RESTful APIs, OAuth 2.0, JWT, Role-Based Access Control
 - Business Intelligence: Power BI, Metabase, Apache Superset, Google Data Studio
 - Tools: Jira, Git, GitHub, Postman, Sentry
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Professional Experience

Velocity Software Solutions Pvt. Ltd. — Senior Software Engineer

Nov 2019 – Present (Outsourced to Polestar Analytics for 1Platform product)

- Led full-stack development of scalable applications using ASP.NET Core (C#), Python/Django, React.js, and Node.js.
- Architected and implemented secure, high-performance RESTful APIs serving thousands of concurrent users, reducing latency.

- Integrated Apache Solr to enhance enterprise search functionality, improving search speed and accuracy.
- Optimized database designs and queries across MSSQL, MySQL, and PostgreSQL, cutting average query runtimes.
- Automated delivery with CI/CD pipelines using Azure DevOps and GitHub Actions, accelerating release cycles.
- Deployed cloud-native applications on Azure, AWS, and DigitalOcean, ensuring 99.9% uptime with auto-scaling and load balancing.
- Implemented JWT and OAuth 2.0 authentication with role-based access control to secure APIs and user data.
- Collaborated with product, design, and operations teams for smooth delivery of multiple cross-functional projects under Agile methodologies.

Key Projects

1Platform – Polestar Analytics

Tech: FastAPI, Azure Databricks, React.js, PostgreSQL, Node.js, Azure Data Factory, Azure Container

- Designed and developed the backend using FastAPI to integrate Databricks features into the platform, including secure connections with SQL Server and Azure Container.
- Integrated the data ingestion layer by orchestrating pipelines through Azure Data Factory for automated and scalable data loading.
- Implemented the transformation module by dynamically generating PySpark scripts, deploying, and triggering them on Databricks for optimized processing.
- Developed a centralized logging framework using a custom Python wheel package to capture and monitor system-level logs and job executions.
- Built and deployed Lakeflow using Databricks Jobs and Delta Live Tables (DLT) to enable end-to-end data processing and pipeline observability.

TriangleIP (Intellectual Property Management)

Tech: Django, React.js, MySQL, Solr, Metabase

- Developed interactive dashboards and real-time patent tracking systems supporting 1000+ IP assets.

- Integrated 3rd-party legal data APIs, enabling automated updates and compliance reporting.

USPTO Private Pair Scraper

Tech: Node.js, PostgreSQL, AWS Lambda

- Designed a scalable web scraper backend with IP rotation and AWS Lambda functions for reliable data extraction.
- Secured scraper channels with JWT authentication and built encryption for sensitive data storage.

Results Assessment Module (RAM India)

Tech: ASP.NET Core, C#, MSSQL, Azure, Power BI

- Built a modular state-level monitoring system with scheduled jobs and asynchronous processing, used by govt. stakeholders.
- Deployed cloud-based scalable infrastructure with load balancing and auto-scaling features.

Flood Reporting Information Management System (FRIMS)

Tech: ASP.NET Core, C#, MSSQL, DigitalOcean

- Developed real-time web and mobile flood impact reporting solutions with domain-driven design and secure API integrations.

Education

B.Tech, Computer Science & Engineering

Dr. APJ Abdul Kalam Technical University, 2016–2020 — 84.29%

Additional Information

- Open to remote work opportunities.
- Committed to continuous learning of emerging technologies and frameworks.
- Strong analytical and problem-solving skills with a collaborative mindset.