

ABHINAV TIWARI

Software Engineer - Backend | India

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Education

UPTU

Bachelor of Technology(Information Technology)

Jun. 2013 – May 2017

Greater Noida, UP, India

Technical Skills

Languages	Java, Go, C++, JavaScript, Python, SQL, GraphQL, HTML
Frameworks	Springboot, Node.js, Django, Express.js, jQuery, Materialize, Odoo
Tools	MSSQL, Kafka, Kubernetes, GIT, Mongo, Docker, BigQuery, MySQL, SQLite
Platforms	GCP, Google Search Console, Splunk, Linux, Web, Windows, Grafana, Dynatrace
Others	Microservices, Problem Solving, CI/CD, Software Development, Teamwork, Mentoring, Communication

Experience

New Relic

Senior Software Engineer

May 2024 – Current

Hyderabad, Telangana, India

- **Integrations:** Led the development of New Relic's Microsoft SQL Server Query Performance Monitoring, enabling real-time query analysis, execution plan insights, and slow query detection to optimise database performance.
- **Metric Optimisation:** Cut observability storage costs by **70%** through optimised OpenTelemetry data collection strategies
- Designed scalable data collection and visualization, integrating query metrics into dashboards with minimal overhead while improving troubleshooting for DBAs and DevOps teams.
- **Technologies:** Go, MSSQL, Open Telemetry, LLMs, Prompt Engineering, Python, New Relic, Observability

Walmart

Software Engineer III

Aug 2021 – May 2024

Bangalore, Karnataka, India

- **Metadata Service Back-end:** Designed and developed **Related Pages feature** for the most popular topics on Walmart Canada website using GraphQL and Springboot.
- Automated the legacy data migration using Java APIs across different microservices.
- **Dynamic Rendering Service:** Designed and developed a multi-tenant Dynamic rendering Solution for improved crawling and indexing of pages by different search engine crawlers like Googlebot.
- Optimized SSR by **30%** for multiple Walmart eCommerce sites within the Mexico region
- **Technologies:** Java, Node.js, Springboot, Microservices, GraphQL, Kubernetes, Git, OneOps, Splunk, ServiceNow

Reliance Retail

Software Engineer II

Nov 2019 – Aug 2021

Bangalore, Karnataka, India

- **Vendor Management System:** Developed backend microservices for product creation and listing for AJIO.com
- Developed and implemented the onboarding process for B2B, B2C, and COMMON Business Model sellers on ajio.com
- Developed automation scripts for daily reporting, optimizing issue tracking by **50%** and facilitating efficient escalation.
- **Technologies:** Spring Boot, Java, Python, MongoDB, Git, Swagger, Apache Kafka

Decision Point Analytics

Software Developer

Feb 2018 – Oct 2019

Gurugram, Haryana, India

- **Sales Reporter Chatbot:** Designed and launched a Google Dialogflow-powered Sales Analysis Chatbot hosted on Facebook Workplace leveraging Node.js, Django, React boosting data-driven decision-making and saving 15 hours weekly for clients.
- Successfully migrated Google Dialogflow code from v1 to v2 on the Node server, resulting in improved performance
- Added i18n support for chatbots in Cambodia and Myanmar.
- Leveraged REST services on Django to establish robust backend API services for user management, employing MySQL and BigQuery for efficient data handling.
- Engineered a modular ReactJS dashboard for chatbot user management, permissions adjustments, and insightful report tracking
- **Miscellaneous:** Built 15 data visualizations in two weeks through strong collaboration, leading to better data insights.
- **Technologies:** Node.js, React.js, Angular7, Python(Django), Javascript, Dialogflow, BigQuery, MySQL, Angular Material, MaterializeCSS, Bootstrap, HTML/CSS

Internships

Software Intern - Navyug Infosolutions

July 2017 - Jan 2018

- **Internal ERP System:** Contributed to the development of ERP applications using Odoo 9 and 10 frameworks, enhancing internal operational efficiency.
- Added Work from Home module to the internal ERP using Odoo 9 and 10 frameworks.
- **Technologies:** Odoo 9/10, XML, Python, JavaScript, PostgreSQL, HTML5, Jinja 2, Bootstrap, Git.

Programming Intern - GeeksforGeeks

July 2016 - Aug 2016

- **ARTICLES:** Authored and published 8 original technical articles focused on Data Structures, Algorithms and Programming languages on the official GeeksforGeeks website.

Content Developer - Venturesity

June 2016 - July 2016

- **Questionnaire:** Created Multiple choice questions(MCQ) for the mobile app of Venturesity and contributed to the questionnaire in C/C++, HTML/CSS and jQuery.