Balaji Bestha

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Summary

Software Engineer with 3+ years of experience designing and delivering full-stack applications using Python (Django, REST Framework, FastAPI) and React.js with TypeScript. Skilled in architecting secure, scalable APIs, building dynamic front-end interfaces, and integrating real-time data visualization with Power BI and Tableau. Proficient in cloud platforms (AWS, Azure), CI/CD automation (Jenkins, GitHub Actions, Docker, Kubernetes), and database optimization (PostgreSQL, MySQL, MongoDB). Adept at end-to-end development, performance tuning, and delivering measurable business impact across domains in Agile environments.

Technical Skills

Front-End Development: React.js, Redux, JavaScript (ES6+), TypeScript, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, Responsive & Mobile-First Design, Web Accessibility (WCAG), Figma, Jest, Cypress, React Testing Library

Back-End & API Development: Python (Django, Django REST Framework, FastAPI, Flask), RESTful APIs, GraphQL, Node.js, Express.js, Microservices Architecture, JWT, OAuth2, API Gateway, Role-Based Access Control (RBAC)

Databases & Storage: PostgreSQL, MySQL, MongoDB, Redis, Firebase, SQL Server, Data Modeling, Query Optimization

Cloud Platforms & DevOps: AWS (EC2, S3, RDS, Lambda, API Gateway, Cognito, ECS), Microsoft Azure, Docker, Kubernetes (EKS, AKS, Helm, ArgoCD), Terraform, Jenkins, GitHub Actions, CI/CD Pipelines, Linux Administration

Data Visualization & Analytics: Power BI, Tableau, Matplotlib, Seaborn, KPI Dashboards, Business Intelligence Solutions

Monitoring, Messaging & Collaboration: Apache Kafka, RabbitMQ, Nginx, Swagger/OpenAPI, Postman, Prometheus, Grafana, ELK Stack, Splunk, Jira, Confluence, Agile/Scrum, Data Reporting

Professional Experience

Software Engineer, *Databricks*   Aug 2024 – Present | Remote, USA

- Architected Django-based financial compliance portal integrating with Databricks Lakehouse APIs, processing regulatory records monthly, improving audit reporting speed by 34% across multiple enterprise banking clients.
- Engineered React.js dashboards with real-time WebSocket connections, visualizing risk indicators from Databricks Delta Lake, enabling compliance officers to detect anomalies 29% faster compared to quarterly legacy audits.
- Implemented secure OAuth2-based authentication with role-specific access, integrating Django REST API with Databricks clusters, reducing unauthorized data queries by 41% during monitored internal penetration testing cycles.
- Optimized ETL orchestration pipelines through Django Celery tasks triggering Databricks jobs, reducing daily processing runtime from 9.5 hours to 6.2 hours, improving SLA adherence for financial transactions.
- Collaborated with auditors and compliance officers to deploy automated regulatory dashboards in React.js, aligning datasets from Databricks, ensuring 27% improvement in reporting accuracy during quarterly federal banking audits.

Software Engineer, *LTIMindtree*   Sept 2021 – Jul 2023 | Remote, India

- Architected scalable e-commerce backend with Django REST Framework, integrating PostgreSQL and caching, optimizing checkout workflows, reducing response latency by 34%, and enabling smooth transactions for 15,000 daily customers.
- Developed React.js product catalog with Redux and TypeScript, implementing dynamic filters and pagination, improving load times by 41%, and enhancing user engagement across 22,000 monthly active retail platform users.
- Integrated secure OAuth2 and JWT authentication in Django APIs, streamlining login/registration, reducing unauthorized access attempts by 47%, and ensuring compliance with PCI-DSS across e-commerce payment workflows.
- Automated CI/CD pipelines with Jenkins and Docker for Django microservices and React builds, reducing deployment cycles by 38%, accelerating release velocity, and improving rollback reliability across staging environments.
- Built real-time inventory dashboard using Django Channels and WebSockets, synchronizing product availability across 18 warehouses, decreasing stock mismatch errors by 29%, and improving fulfillment accuracy significantly.
- Implemented Tableau-powered analytics with Django data pipelines, visualizing KPIs like order volume, revenue growth, and returns, enabling managers to identify demand patterns and improve quarterly forecasting accuracy by 21%.
- Collaborated with QA teams implementing Cypress and PyTest automation, catching 26% more pre-production defects, reducing customer-reported issues by 19%, and ensuring smooth feature delivery within Agile sprints.

Education

Master of Science, *Pace University*   Aug 2023 – May 2025 | New York, USA
Computer Science

Bachelor of Technology, *Srinivasa Ramanujan Institute of Technology*   Aug 2019 – May 2023 | Andhra Pradesh, India
Computer Science