

Subrat Kumar Panda | Technology Analyst | Bhubaneswar

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Professional Summary:

- Experienced Backend Developer with nearly 4 years of Professional experience in problem solving, designing & developing enterprise applications with an excellent leadership record.
- Predominant expertise in NodeJS, AWS, Azure Cloud and Backend Development, Eager to contribute as a Backend SDE.

SKILLS:

- Technical Skills:** Rest-APIs, Azure DevOps, Docker, Kubernetes, GIT, GITHUB, MySQL, NoSQL, OOPS, PostgreSQL, IoT
- Cloud Platforms:** AWS Cloud, Azure Cloud, IBM Cloud
- Management Skills:** ITIL/ITSM, ServiceNow, JIRA, Confluence, Project Management, Client Negotiation, L-Shift Management, ERP
- Programming Languages:** Node.js, Java, C++, HTML, CSS

EXPERIENCE:

Technology Analyst at Infosys Limited Bhubaneswar (Aug 2024 – present)

1. Application Development & RunOps Maintenance Project (Retail & Ecom - NodeJS, AWS, MongoDB):

- As a Team Lead for a retail MNC, leading the Infosys backend team in developing, troubleshooting & supporting end-to-end backend systems.
- Optimized the logic involved in place order service.
- Revamped the existing LLD and built a new integration service for a TP vendor, streamlining store inventory sync and reducing the error rate by 20%
- Optimized serverless APIs on AWS Lambda and MongoDB by improving code quality, caching, and event-driven design.
- Configured logging & alerting mechanisms for application monitoring and outage notifications using New Relic, Mixpanel, and AWS CloudWatch.
- Refactored application frameworks to streamline the migration of APIs from AWS Lambda to ECS, improving response time by 50% and effectively handling cold starts, concurrency, and horizontal scaling at 30% lower costs.
- Contributed to bug fixes with major customer impact, CAB releases, and API enhancements

Systems Engineer at Tata Consultancy Services Hyderabad (Jul 2021 – Jul 2024)

1. Microservices Migration Project (Healthcare & Retail - NodeJS, Azure, MSSQL, PostgreSQL, MongoDB):

- As the Offshore Technical Lead for a healthcare MNC, led the Intelligent Automations backend API team in developing & testing scalable systems.
- Redesigned HLD & LLD architecture of NodeJS based Chatbot Platform, transforming APIs to Microservices resulting in a cost reduction of \$4000/M.
- Architected a chatbot backend supporting 9 frontend platforms (Webpages, MS Teams, SharePoint, Facebook Messenger, Workplace, Telegram, Twitter, Twilio SMS, WhatsApp) using the Adapter Design Pattern and NodeJS, with multiple third-party API integrations.
- Designed CI/CD pipelines for Docker containerization for an ACR, reducing manual efforts & AKS deployment time by approximately 15-20 hours monthly.
- Optimized SQL database usage through query optimization (Indexing & Restructuring Joins), decreasing API response time by 25%.
- Played a key role in enterprise-level migration from Kong to APIGEE API Gateway, improving security by 40% and performance by 33%.

2. Intelligent Automation Project (Bio Pharma & Life Science - NodeJS, Java, IBM Cloud, PostgreSQL):

- Developed a high-value chatbot and its Backend System, resulting in 2FTE savings & monthly cost reductions of \$15,000 for the client.
- Optimized IBM & Azure cloud resources, leading to a cost savings of \$3,500 per month for the client.
- Developed PowerShell scripts to Automate the Unit testing process with all possible edge cases.
- Built advanced Java & Node - based RESTful APIs to serve as a backend service for RPA bots, handling over 2 million weekly transactions with 0 downtime.
- Participated in 200+ code reviews, offering debugging guidance and addressing concerns regarding web applications and APIs utilized in RPA services.

IIOT Developer Intern at CSKA Automation Services (Sep 2020 - Dec 2020)

- Implemented Internet based Remote Delivery System using Robots with 100% Success Rate for a startup.
- Developed a Home Automation Systems with 100% Success rate.
- Created a Dynamic Interactive System for a Humanoid.

Achievements & Accomplishments:

- Honored with the Service & Commitment Award, OnTheSpot Award, Applause Award, Star Team Award, Elevate Wings Award for dedicated service to TCS.
- Awarded as National Winner of 'Smart India Hackathon 2020' Hardware Edition (Dept. of Scientific & Industrial Research) by MHRD.
- Excelled as a National Finalist in 'L&T Techgum 2019-20' & as an 'Emerging Innovator' by KPIT Technologies at 'KPIT Sparkle 2020'

PROJECTS:

File Sharing App:

- Developed file sharing with Node.js Express as the backend, enabling upload, download, and static authentication.
- Implemented secure file uploads using Multer to ensure data integrity and confidentiality.

Multiple Chatbot Backend: ([https://github.com/subrat25/test\\_chatbot\\_template.github.io](https://github.com/subrat25/test_chatbot_template.github.io))

- Developed a backend using Node.js Express, integrating 2 Chatbot AI providers (Watson and Google Dialogflow)
- Implemented robust database operations through Sequelize ORM, ensuring scalability and maintainability.
- Enabled efficient logging of conversation details using MySQL and PostgreSQL, streamlining data management.

E-Com Backend Project: (<https://github.com/subrat25/ecom-backend-node>)

- Developed a robust backend service for an e-commerce platform using Node.js and Express.js, with MySQL as the database.
- Implemented comprehensive user, address, cart, and purchase management functionalities.
- Ensured secure user authentication and authorization with JWT and optimized database transactions for efficiency.

Certifications & Trainings:

- Upscaling expertise in Data Structures, Algorithms, Competitive coding and Software Development at Scaler Academy.
- Certified in AWS Cloud Technical Essentials Issued by Amazon Web Services via Coursera.
- Completed Certification courses about Building Chatbots using IBM Watson, Google Dialogflow & Azure (LinkedIn Learning & Cognitive Class)

Education:

Veer Surendra Sai University of Technology, Burla		
B. Tech (Electrical & Electronics)	Year:2021	CGPA: 7.95
ODM International School, Bhubaneswar		
Class: XII (Non-Medical)	Year:2017	Percentage: 89.8
DAV Model School, IIT Kharagpur		
Class: X	Year:2015	Percentage: 93.1