Gupta D

Senior Backend Engineer, 10+ years experience
Indore, India
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Over a decade of experience and proficiency in various technologies. Involved in the end-to-end decision-making, planning, and implementation of various sustainable and resilient software using open-source technologies. Extremely well-trained and skilled Engineer with vast experience in architecture, development, and project management.

INDUSTRIES: Ecommerce, FinTech, Blockchain Fintech, Enterprise Software and Network Solutions, Crypto Fintech

TECHNICAL SKILLS

• JavaScript	9 years & 7 months
• Node.js	9 years
• MySQL	9 years & 1 months
• Unit Testing	8 years
• RESTful API	8 years
• PostgreSQL	8 years
• ExpressJs	8 years
• AWS	7 years
• MongoDB	7 years & 6 months
• TypeORM	7 years & 6 months
• Blockchain	6 years
• Ethereum	6 years
• Web3JS	6 years
• Mocha	6 years
• DynamoDB	6 years
• GraphQL	6 years
• Websocket	6 years
• redis	6 years
• Integration Testing	6 years
• TypeScript	6 years
• NestJs	6 years & 8 months
• Docker	6 years
• Microservices	6 years & 6 months
• Solidity	6 years
• Python	5 years & 6 months
• Next JS	5 years
• FastAPI	5 years
• DRF	5 years
• Google Cloud	5 years & 9 months
• CircleCI	5 years & 6 months
• Kubernetes	5 years
• Jenkins	5 years
• Django	4 years & 6 months

• Terraform	3 years & 5 months

SOFT SKILLS

Problem-solving, Teamwork, Communication, Critical thinking, Technical Architect, Technical Lead, Technical Manager, Agile Project Development

PROJECT DETAILS

• Diamond Factory

Project Description: Diamonds Factory is a bespoke e-commerce platform facilitating online transactions for personalised diamond jewellery. The platform boasts a proprietary product pricing algorithm seamlessly integrated into the product details section. This sophisticated calculator provides customers with an extensive range of customization parameters, allowing them to tailor and visualise their ideal jewellery piece while ensuring competitive pricing.

Responsibilities: Developed precise pricing calculator API for custom diamond jewellery, optimising user experience and transaction flow. Engineered complex algorithms for fair and competitive pricing, integrating stone markups and parameters for profitability. Utilised Loopback4 framework for agile API development, facilitating rapid updates and enhancements. Maintained application's library packages, ensuring up-to-date features, security, and performance. Employed NodeJS and TypeScript for scalable backend codebase, fostering collaboration and code reusability. Implemented PostgreSQL database for reliable storage and retrieval of product and pricing data. Orchestrated AWS deployment with Terraform and Docker, automating scalability and cost-effectiveness. Validated APIs with Postman and Swagger, ensuring adherence to design standards and seamless integration. Collaborated with frontend and stakeholders, delivering tailored solutions aligned with business objectives. Contributed to architecture and design, integrating industry standards and emerging technologies for a robust e-commerce platform.

Technologies: NodeJS, LoopBack4, TypeScript, PostgreSQL, AWS, Terraform, Docker, Postman, Swagger, JavaScript, JEST, Unit Testing

Industry: Ecommerce

• Ziina

Project Description: It is a digital wallet for the Middle East & North Africa. Ziina is bringing the next generation of financial services to the Middle East

Responsibilities: Involved in planning and design of the complete ecosystem of the application Worked on a scalable, fault-tolerant, and reliable system to allow trustful and secure transactions Migrated the complete system from AWS to Azure in the latter phases of the project Planned the CI/CD strategy to manage application release and rollback Involved in planning and designing Terraform to create reusable/replicate AWS infrastructure Created architectural plans and roadmaps for the infrastructure team Collaborated in the release timeline of the project and day to day technical decision making with product manager Designed a complex system of 20-25 different microservices and worked on a framework for intra-service communication Worked with multiple tools for benchmarking to ensure application's performance/scaling etc

Technologies: NodeJS, NestJS, DynamoDB, Kafka, AWS, Terraform, Github Actions, Docker

Industry: FinTech

• TrusToken

Project Description: TrustToken frees money to move to wherever it creates the most value - instantly. Fully transparent uncollateralized lending, powered by TRU

Responsibilities: Worked as a Senior Backend Engineer overview of a team of 10 developers Built a fully secure backend platform to collect the transactional data Collaborated on quarterly roadmaps for the project with the product owner and team Participated in daily scrums call to ensure timely feature implementation and progress Reported progress goals suggestions and all issues to management Participated in sprint retro and quarterly reviews of the team and recommendations for improvement Designed and worked on creating applications

Technologies: NodeJS, NestJS, PostgreSQL, AWS SQS, Ethereum

Industry: Blockchain Fintech

• Geoverse

Project Description: Geoverse delivers essential connectivity to campuses and to areas where network access is inconsistent or absent altogether to help promote economic development, social equity, and improve the quality of Life.

Responsibilities: Contributed by planning the system design of the application Created a highly distributed global trust-based system to regulate the demand and supply of network bandwidth Introduced a Private trusted chain to ensure the privacy of network contracts between Telecom customers Planned the deployment of microservices on Google Kubernetes Engine Regulated the network usage via Chaincode based on pre-contracted terms Created a multi-cloud, multi-regional infrastructure for the deployment of the system Ensured the resilience of the network and planned for analytical dashboards to analysis day to day utilisation of the networks Created solutions to deal with versioning issues of the distributed nodes of the network

Technologies: NodeJS, HyperLedger Fabric, AWS, Kafka, PKI, Kubernetes, ElasticSearch

Industry: Enterprise Software and Network Solutions

• BitPay

Project Description: BitPay is a crypto app to pay with crypto and accept crypto payments. Users can create a wallet to buy, store, swap and spend securely. BitPay provides Bitcoin and Bitcoin Cash payment processing services for merchants. BitPay maintains server-side API libraries in various programming languages (NodeJS, PHP, Java, .Net, Ruby, and Python), which are available via popular package managers.

Responsibilities: Successfully managed all libraries Integrated new APIs into the libraries, ensuring the backward compatibility of the newly added functions Responsible for managing plugins for popular open-source eCommerce platforms like WooCommerce, Shopify, Prestashop, Opencart, and Magento Developed comprehensive unit test cases to ensure the proper functionality of library methods Actively participated in the daily test runs of libraries and plugins Involved in updating packages for the libraries

Technologies: NodeJS, TypeScript, JEST, Unit Testing, Python

Industry: Crypto Fintech

EMPLOYMENT HISTORY

• Technical Lead

Description: Specialisation in cutting-edge backend and frontend technologies, including NodeJS, NestJS, ExpressJS, ReactJS, Javascript, Typescript, Python, and DJango Collaborated on infra planning on Google Cloud for each microservice using GKE (Managed Kubernetes), Cloud Functions, and Cloud SQLUser Acceptance Testing Creates bridges between applications and tools with databases and interconnected systems through API’s Hands-on experience with GCP services like PubSub, Firebase, Cloud VM, Cloud Functions, Cloud SQL, GKE etc Worked on the debugger enablement features in WebSDK Experienced in test-driven development (TDD) & behaviour-driven development (BDD) Actively involved in project requirements gathering, planning, and development. Applied best-practice standards ensuring the quality of the codebase Involved in day-to-day planning and discussion of customer-centric issues for application development and management.

• Senior Backend Engineer February-2016 - September-2022

Deqode

Description: Worked as a Senior Backend Engineer for the Pod Personalization Team. Strong hands-on experience in developing RESTful backends and Microservices using NodeJS Experience in linux, Shell Scripting, AWS, Google Cloud, Azure DevOps, and implementation in Linux as well as the monitoring processes. Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation using Jenkins along with Shell and Python scripts to automate routine jobs. Adept at creating visually appealing and highly responsive user interfaces for an enhanced user experience. Hands-on experience in managing AWS services like Docker, Kubernetes, ECR, EKS, EC2, S3, VPC, IAM, ELB, CloudWatch, API Gateway, SQS, SNS, Autoscaling. Solutioned and architected the transition of a monolith application to microservices. Identified issues and risks in advance and devised plans and action items to mitigate the same. Designed systems deployed across multi-cloud platforms and planned for Scalability, High Availability, Fault Tolerance and Security requirements

CERTIFICATION

• Certified Google Cloud Professional Cloud Architect by Google Cloud 2021

EDUCATION

• Bachelors degree in Technology from RGPV 2010 - 2014

LANGUAGES

• English - native

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