

Anmol Thukral

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Summary

Technical Lead with 8 years of experience designing and delivering scalable web applications, microservices, and cloud-native platforms. Proven expertise in JavaScript, TypeScript, React, Next, Node.js, AWS, Azure and GraphQL with a strong record of driving performance improvements, reducing costs, and leading cross-functional teams. Adept at CI/CD automation, architecture design, and implementing engineering best practices at scale.

Experience

First American(India)

Senior Software Engineer-II

October,2025-Present

IRIS(NestJS, Next.js, PostgreSQL, Docker, GPT-4.1)

-Built a **GenAI-powered intent analysis platform** processing **100k+ user events/day**, identifying broken journeys and reducing drop-offs by **~18%**.

-Transformed raw behavioral data into **actionable insights and workflow recommendations** using GPT-4.1, improving task completion by **~20%**.

Onboarderr(NestJS, Next.js, PostgreSQL, Docker, GPT-4.1)

-Developed an **intelligent onboarding system** for new features and platforms, increasing feature adoption by **~30%** and reducing onboarding time by **~25%**.

-Implemented **context-aware, GenAI-driven guidance flows**, enabling faster user understanding and smoother platform transitions.

BlockParty (Design System)

-Designed and shipped a **scalable Date Picker component**, improving UI consistency and reducing frontend development effort by **~15%**.

Stardust Application (Nest, Styled Components, Jest)

-Built features to **segregate production workflows from testing activities**, lowering operational errors by **~22%**.

Nykaa E-retail Pvt Ltd

Software Development Engineer – III

Nov,2021-Sept,2025

Seller Portal (Node.js, React, Express, SQL, AWS)

- Led **cross-functional development** of vendor invoicing, discounts, and catalogue management systems, enhancing seller operations.

- **Streamlined warehouse workflows**, reducing manual effort by **56%**.

- **Automated** catalog and invoice validation, **reducing errors and oversight**.

- Implemented **rule-based checks** preventing financial leakage, **protecting ₹51 Cr in revenue**.

Nykaa Fashion Web (Node.js, TypeScript, React, Styled Components)

- Redesigned **discovery/search pages**, increasing engagement by **23%** and improving **Core Web Vitals by 15 points**.

- Optimised **CI/CD pipeline**, cutting runtime **costs by 12%**.

- Implemented **Mixpanel & GTM** tracking for user insights.

Nykaa Notification Service (Node.js, TypeScript, Express, MySQL, Firebase, WebSockets)

- Built **event-driven architecture** for email, in-app, and push notifications.

- Developed **client SDK for push notifications via service workers**.

- Expanded notification system to support **targeted marketing campaigns**.

Nykaa Auth Framework (Python, Django, PostgreSQL, Redis)

- Engineered **zero-trust authentication framework** for **secure access and session management**.

- Improved response times using **Redis caching** and in-memory storage.

Guardian India Pvt Ltd

Engineer (II)

Aug 2020 – Nov 2021

GA-Claims Platform (Node, React, Webpack 5, Plop)

- Modernized codebase with **Webpack 5 micro-frontend architecture**, reducing deployment time by 24 minutes.

- Designed **reusable dashboards for claims/member data**, reducing error rates by **15%**.

- Implemented **GraphQL schema stitching and caching**, increasing NPS by **23%**.

Guardian Kickstarter (Multi-stack, Plop)

- Built automated **CI/CD project kickstart portal**, cutting service **setup time by 30%**.

Lucideus Tech Pvt Ltd

Software Development Engineer

Feb 2020 – Aug 2020

Safe-X (Node, TypeScript, AWS-CDK, DynamoDB, S3, SNS, Cognito)

- Built **scalable serverless applications** with AWS Lambda, DynamoDB, and API Gateway, boosting reliability by **13%** and reducing costs by **43%**.

- Automated **CI/CD with CloudFormation**, reducing manual deployment effort by **40%**.

- Contributed to company-wide UI design system for consistency and maintainability.

Infosys Ltd.

System Engineer

Feb 2018 – Feb 2020

Make-Buy (Node, TypeScript, React, Ant Design, GraphQL)

- Built dynamic **ReactJS apps** for global cosmetics brands, enhancing UI/UX.

- Integrated global payment gateways across regions, ensuring reliable transactions.

- Developed centralized Apollo GraphQL SDK, cutting maintenance **costs by 20%**.

Skills

Programming Languages

JavaScript, TypeScript, Python, Java, HTML, CSS

Frameworks & Libraries

React, Webpack, Jenkins, GraphQL, Apollo, Next.js, Express

Cloud & DevOps

Azure, aws, SNS, S3, API Gateway, CloudFormation, lambda, ECS, GCP/Firebase, Docker, Jenkins, Cloudformation, docker

Databases & Caching

PostgreSQL, MySQL, MongoDB, Redis, Elasticache, Redshift

Monitoring & Analytics

Grafana, Kibana, New Relic, Last9, Mixpanel, GTM

Practices

Agile, CI/CD, Microservices, TDD

Education

Maharaja Surajmal Institute of Technology,

B.Tech in Information Technology

76%

2013-2017