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# Anoop Surej

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**Full-stack software developer** with **four years of experience** building and scaling reliable applications. Dedicated, curious, and always looking to grow alongside a strong team.

## Experience

**Senior Software Developer** **Thoughtworks** **May 2025 – Present**

- Engineered responsive web application designed using NHS Design System, able to handle 400 user logins per second, using Next.js and TypeScript, authenticating using NHS Login OIDC and Single-Sign-On, integrated with various NHS Systems, implementing AWS Lambda serverless architecture through OpenNext and Terraform infrastructure-as-code. Established a comprehensive testing suite with Jest (unit) and Playwright (E2E), automating deployments via GitHub Actions CI/CD workflows.
- Successfully led Angular-to-React migration project, maintaining full compliance with corporate design system standards while implementing robust testing methodologies.

**Software Developer** **Thoughtworks** **January 2023 – May 2025**

- Implemented fast end-to-end CI/CD pipelines for numerous .NET microservices, integrating GitLab CI, Octopus Deploy, Helm, Helmfile, Kubernetes, and Azure. Ensured deployment security compliance by utilizing Trivy and Checkmarx throughout the development lifecycle. Successfully managed the project from development through integration and into production environments.
- Modernized legacy forecasting ETL architecture, significantly enhancing scalability and compatibility with diverse systems, enabling it to process and transform over 150,000 data records into a forecasting model in under 20 minutes.

**Graduate Software Developer** **Thoughtworks** **January 2022 – January 2023**

- Modernized and enhanced the deployment process of client's helm chart platform used by over 20 teams, contributed to the successful upgrade of Helm; seamlessly integrated an automated changelog feature, enabling the repository to autonomously monitor changes, upgrade versions, and manage tags.
- Developed an executive-level facing dashboard using AWS Lambda (NodeJS) and ReactJs to effectively track and manage RAIDs (Risks, Assumptions, Issues, Dependencies) of 15 projects, utilizing real-time data sourced from Azure DevOps through REST APIs.

## Projects

- **Stone Notes**: Full-stack secure note-taking app built with Spring Boot, Spring Security (Keycloak OAuth2), PostgreSQL, and a React (Vite) frontend, deployed on a VPS using Dokploy. (live demo, code)

## Education and Certifications

- **B.Tech. Computer Science & Engineering,** APJAK Technological University, Kerala (First Class) **2017–2021**

## Skills

- Languages: Java, Python, Javascript, Typescript, SQL, Bash
- Technologies: Docker, Kubernetes, Helm, MySQL, Postgres, AWS, AWS Lambda, Git, Node.js, React, Next.js, AKS, Django, Springboot, Jest, Octopus Deploy, TeamCity, Gitlab-CI, Trivy, Checkmarx, Pact Contract Testing, OIDC
- Other: Terraform IaC, Optimising Cloud deployments, Agile Development, TDD, Pair Programming, Coaching & Mentoring

## References

Available on request.