

# TIRTH GAJJAR

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## SKILLS

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- FRONTEND
  - Next JS, React JS, Vue3, Vue, Nuxt JS, TypeScript, React-router, Redux, Redux-Sagas, URQL, React-Hook-Form, Jest, Cypress, ES-Next, ES2020, ES2018, ES6.
  - TailwindCSS, Emotion, Styled-Components, SCSS.
- BACKEND
  - NodeJS, Express JS, Serverless Framework, Apollo server GraphQL, Prisma, TypeORM.
  - ECS, AWS S3, AWS SQS, AWS SNS, AWS Lambda, AWS Cloudfront, AWS Cloudwatch, DynamoDB, AWS RDS, AWS ALB, AWS ELB, EC2 Auto Scaling Groups, AWS WAF, AWS KMS, VPC, IAM.
  - Terraform, Ansible.
- DATABASES
  - PostgreSQL, MySQL.
  - MongoDB.
  - AWS DynamoDB, Redis.
  - Apache Cassandra.
- Tooling
  - Docker, Docker Compose, Webpack, Babel, Typescript, Yarn Workspaces, Lerna, ES-Lint, Prettier, Lint-Staged, Husky, Conventional Commits, Zsh, GraphQL Code Generator, Nexus.

## PROFESSIONAL EXPERIENCE

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### RAX LABS INC.

#### Product Architect cum Tech-Lead (Core team)

Remote

JAN 2020 - Present

- Created, led and mentored a team of 8 engineers from 0 after filtering 500+ applications and conducting total of 100+ rounds of interviews.
- Redesigned the architecture to achieve 4 nines of scalability and costs reductions up to 34%.
  - Removed 8 single point of failures from the application infrastructure.
  - Introduced Terraform and Ansible and migrated 13 services to utilize IaC (Infrastructure as Code).
  - Migrated 25+ services to utilize event-driven and serverless architecture (AWS Lambda, DynamoDB, S3, SQS, SNS, ECS, RDS).
  - Developed CI/CD pipelines for the entire backend (50+ services) using GitHub Actions to save developer time.
  - Devised and implemented auto-scaling strategies and blue-green deployment strategy for the customer facing services to reduce downtime by 100% and improve reliability.
  - Identified the technical use-cases and divided the application data into different database services like AWS RDS, Elasticache, DynamoDB and S3 standard and intelligent tier.
- Discovered and fixed 10+ architecture and security issues after performing through code-reviews & architecture reviews.
- Defined, monitored and executed the end-to-end engineering processes from scratch; Clarified and translated the business requirements to technical requirements for 30+ projects in a year.
- Coded most (10+ features) of the functionality in the product's browser extension using Vue JS.

## SALESHANDY

### Senior Software Engineer cum Team-Lead

Ahmedabad, India

OCT 2018 – AUG 2019

- Spearheaded a team of 4 front-end developers; trained the team to learn react and express JS and adopt test-driven development.
- Coded major features like read-receipt for emails in Gmail, in the product's browser extension, that improved product adoption by 30%. (SalesHandy Chrome extension).
- Revamped 5 core features in the product including email campaign scheduling with time-zone control, which resulted in 27% drop in the support queries.
- Introduced, monitored and moderated 10+ engineering processes in the development team; Executed 10+ weekly cross team code-reviews, and bi-weekly UI audits.
- Guided the 10 members team in creating learning plans and mentored the members to achieve professional and learning goals.

## MAQ SOFTWARE

### Technology Research Engineer at MAQ Software, Mumbai

Mumbai, India

JAN 2017– OCT 2018

- Automated the data validation process, which validated 5000+ data points daily, generated by 20+ teams in the organization.
- Managed a technical research team of 3 junior engineers to explore relevant Microsoft Technologies (Microsoft Azure & Microsoft Power BI).
  - Conducted 10+ learning sessions for knowledge sharing on Power BI, Azure and React JS.
  - Coached 10+ service teams in identifying the technology use cases and adoption of those new technologies.
  - Conducted boot-camp sessions to get 28+ interns onboarded quickly with the tech-stack.
- Built a custom Power BI reports tool for internal purposes, now this tool is a product offering by MAQ Software.

## EDUCATION

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(DAIICT) DHIRUBHAI AMBANI INSTITUTE OF INFORMATION AND COMMUNICATION TECHNOLOGY

*Bachelor of Technology, Information and Communication Technology (ICT)*

Gandhinagar

JUN 2013– APR 2017

- Graduated with Information and Communication Technology degree with focus on computer science subjects. The most interesting courses were Software Engineering, Computer Networks, DBMS and Human Computer Interaction.