

# Runil Khakhkhar

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## Overview

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Backend & DevOps Engineer with 4+ years of experience designing, developing, and deploying scalable microservices and high-performance APIs using NodeJS, TypeScript, NestJS, and cloud technologies. Skilled in GraphQL, REST APIs, AWS, Docker, and CI/CD, with a proven track record of optimizing system performance, system architecture, integrating third-party services, and delivering SaaS platforms. Adept at handling backend development, infrastructure automation, and occasional frontend contributions.

## Experience

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### Software Engineer | Software Co | Sep 2024 - Present

- Implemented backend microservices using NodeJS and REST APIs to handle large-scale data processing.
- Managing AWS infrastructure (EC2, S3) with automated deployments via CI/CD pipelines.
- Defined best-practice architecture patterns for new projects to improve scalability and maintainability.

### Software Engineer | Omnexa Technolabs | Feb 2024 - Sep 2024

- Designing and maintaining backend microservices using NestJS and GraphQL for high-availability SaaS applications.
- Developed Chrome Extension and a product using React, HTML, CSS for frontend integration.
- Improved API response times by ~35% through query optimization.
- Deployed and monitored applications using Nginx, PM2, and cloud infrastructure.

### Software Engineer | Kevit Technologies | Jun 2021 - Feb 2024

- Developed multiple SaaS platforms from concept to deployment using NodeJS, NestJS, MongoDB, GCP, and AWS.
- Integrated NLP & LLM-based features for intelligent chatbot systems.
- Automated deployment workflows with CI/CD, and reduced downtime.
- Integrated third-party services such as Xero, MyOB, ZenDesk, Stripe, and SendGrid for payments, accounting, and support.

## Skills

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**Backend & APIs:** NodeJS, TypeScript, NestJS, ExpressJS, GraphQL, REST, Socket.io, MongoDB, PostgreSQL, Redis

**DevOps & Cloud:** AWS (EC2, S3, Lambda, SQS), Google Cloud, Docker, Nginx, CI/CD, PM2, CertBot

**Frontend:** HTML, CSS, React

**Automation & Data Processing:** Python, Playwright, Puppeteer, BeautifulSoup, NLP, LLM, ChromaDB

**Tools & Integrations:** Git, GitHub/GitLab, NX.dev, Monorepo Architecture, Firebase, Stripe, SendGrid, Swagger, Postman

**Others:** System Design, Microservices, Chrome Extension Development, Manual Testing

## Projects

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### **JOB APPLY AUTOMATION** - SAAS / LLM/ Microservices / Monorepo (NX)

- Built NestJS GraphQL APIs and Python FastAPI services for automated job applications based on user resume & preferences.
- Created Chrome Extension for job autofill, save jobs, analytics, and multiple resume handling.
- Integrated LLM & ChromaDB for intelligent job matching and resume parsing.
- Managed AWS infrastructure (EC2, S3, Lambda, SQS) with Docker & CI/CD for scalable deployment.

### **SHRU AI** - SAAS / Custom LLM ChatBots / Microservices / Monorepo (NX)

- Developed a platform for creating custom AI chatbots trained on user datasets.
- Built document crawling and training pipelines for vector DB integration.
- Enabled chatbot UI customization, analytics, and embedding in external websites.

### **FOODYGENT** - SAAS / Business Management

- Built a multi-role restaurant management system for suppliers, invoices, and inventory.
- Integrated Xero, MyOB for accounting and ZenDesk for support.
- Added import/export, analytics, and role-based access controls.

### **BARBUDDY** - SAAS / NLP ChatBots(WA, FB)

- Developed chatbot-based ordering system using DialogFlow NLP integrated with POS systems.
- Enabled ordering via WhatsApp, Messenger, and web portal with QR-based onboarding.
- Managed multi-role (bar-owner, bartender) system for order and inventory control.

## Education

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**Darshan Institute of Engineering and Technology** - 8.67 CGPA

2018 – 2022

Bachelor of Engineering in Computer (GTU)