

AJAY BHIMRAO THORAT

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SUMMARY

Full Stack Developer with 1.7+ years of experience building production-grade web applications and open-source tools. Expertise in scalable RESTful APIs, real-time dashboards, automated data pipelines, and npm package development. Proficient in cloud infrastructure management with DigitalOcean, PM2, and Nginx.

SKILLS

Languages & Frameworks: JavaScript, TypeScript, Node.js, React.js, Next.js, Express.js, Tailwind CSS, Bootstrap

Databases: PostgreSQL, MySQL, MongoDB, Redis, Supabase

Backend & API Development: RESTful API Development, Authentication & Authorization (JWT, NextAuth), RBAC Systems, API Integration, Prisma ORM

Data Processing & Automation: BullMQ Job Queues, Cron Jobs, FTP/SFTP Data Pipelines, Excel/XLSB Data Processing

Cloud & DevOps: DigitalOcean, PM2, Nginx, Linux Server Management, Database Backups, Log Rotation, Server Monitoring

Architecture & Concepts: System Design, Scalable Architecture, API Security, Caching, Rate Limiting, Unit Testing

Certifications: Big Data Computing (NPTEL) | Data Analytics with Python (NPTEL) | Postman Student Expert

OPEN SOURCE CONTRIBUTIONS

DevCompass - npm Package Maintainer | March 2026 - Present

Dependency health checker with 1.2k+ downloads/month, 45 published releases |

npmjs.com/package/devcompass

- Published and maintain a production npm CLI tool for JavaScript dependency analysis, combining real-time CVE detection (OSV + NVD integration), AI-powered recommendations across 4 LLM providers (OpenAI, Anthropic, Google, local Ollama), and automated dependency remediation
- Led a security hardening release cycle: identified and fixed a shell-injection vulnerability (CWE-78) and a path-traversal gap in the backup subsystem, and upgraded API key encryption from unsalted SHA-256 to salted scrypt with backward-compatible key migration
- Engineered interactive dependency graph visualization with D3.js supporting 5 layouts (tree, force-directed, radial, conflict-only, analytics) with real-time search/filter and zoom
- Built a parallel GitHub Issues API integration tracking 500+ popular npm packages for deprecation/security alerts, achieving an 80% performance improvement through concurrent processing
- Set up a CI/CD pipeline (GitHub Actions) gating every change on an automated test suite and npm audit, and shipped coordinated patch releases addressing newly-disclosed CVEs in upstream dependencies (axios, form-data)
- Achieved a 9.3/10 self-analyzed health score through modern tooling (knip integration), automated backup/rollback on every fix, and 100+ validation checks

PROFESSIONAL EXPERIENCE

Junior Full Stack Developer | ICT Mumbai Research Foundation (Mumbai Biocluster) *May 2026 - Present*

- Joined ICT Mumbai Research Foundation (Mumbai Biocluster), a Section-8 nonprofit operating a single-use cGMP facility at ICT Mumbai (Matunga), as Junior Full Stack Developer
- Supporting the organization's work translating early-stage startup and academic innovations into clinical-stage biotechnology, serving startups, academic institutions, MSMEs, and industry partners across cancer, rare disease, and biologics research

Junior Full Stack Developer | Renewalytics Services Pvt. Ltd. *March 2025 - March 2026*

- Revamped FNS platform managing 3.22+ GW renewable capacity across 34+ sites with >92% forecast accuracy; improved performance 60-80% through Context API optimization
- Built ExcelFlow MIS processing 20MB+ XLSB files (16+ sheets, 33 plants) using BullMQ parallel processing; implemented portfolio-based automated email delivery
- Engineered data pipelines with crontab fetching FTP/SFTP/API data, processing bulk upserts with caching/rate limiting across 3 production apps (Next.js, PostgreSQL, MySQL, MongoDB, Redis)
- Designed RealSync with comprehensive RBAC, API security, NextAuth/JWT authentication, and secure password reset flows
- Managed DigitalOcean infrastructure: PM2, Nginx, automated DB backups, MongoDB log rotation, cron jobs, server monitoring
- Resolved production security incident migrating to new droplet, restoring operations without data loss; collaborated with 10+ renewable energy clients

Full-Stack Developer Intern | ShypBUDDY Pvt. Ltd. *March 2024 - September 2024*

- Built admin/user panels using Next.js, React, Tailwind CSS with Clerk Authentication and PostgreSQL
- Integrated 7+ logistics APIs (Delhivery, DTDC, Ekart, Shadowfax, Xpressbees, Amazon) and Shopify API for e-commerce order syncing
- Implemented Order Management, Rate Calculator, Warehouse Management, MIS Reports, BUDDYSHIELD, Cashfree KYC API, Pincode Serviceability

PROJECTS

Crime Predict - Crime Data Visualization Platform

React.js, Django, Node.js, SQLite3, JWT, REST APIs

- Built full-stack analytics platform visualizing crime patterns across India with interactive charts, state-wise filters, and real-time news API integration

LinkedIn Clone - Professional Networking Platform

Next.js, Node.js, MongoDB, Tailwind CSS, NextAuth.js, REST APIs

- Developed social networking platform with user profiles, dynamic feed, post management, and Google OAuth authentication

EDUCATION

Master of Computer Application (MCA) | 2024

Hiray College (Bandra East), Mumbai University

Bachelor of Computer Science (B.Sc CS) | 2022

Patkar Varde College (Goregaon West), Mumbai University