

UVESH TYAGI

Full Stack AI Developer

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ABOUT ME

Results-driven Full Stack Developer with hands-on experience building scalable web applications and AI-powered products using **Next.js, React, TypeScript, Node.js, tRPC, PostgreSQL, Drizzle ORM, and Docker**. Passionate about **backend** engineering, system design, and applying **AI** to solve real-world problems. Strong foundation in designing secure **APIs, authentication** systems, **database** architecture, and modern **full-stack** development. Continuously learning, building, and shipping production-ready projects while seeking opportunities to contribute, grow, and create impactful software.

SKILLS

TypeScript, JavaScript, React.js, Next.js, Node.js, Express.js, tRPC, TanStack Query, PostgreSQL, Drizzle ORM, Prisma, Redis, BullMQ, Docker, REST APIs, JWT Authentication, Git, GitHub, Tailwind CSS, LLM API Integration, Prompt Engineering, Structured AI Outputs, AI Workflow Development

PROJECT

MCALY – AI EMAIL & CALENDAR ASSISTANT 🌐 [live](#) 🐙 [github](#)

- AI-powered email prioritization and summarization.
- Automated meeting scheduling and productivity workflows.
- Integrated Gmail and Google Calendar APIs.

UV-form -A FORM BUILDER 🐙 [github](#)

- Built a dynamic form builder with secure JWT authentication.
- Type-safe APIs using tRPC with PostgreSQL and Drizzle ORM.
- Built with Next.js, TypeScript, TanStack Query, and monorepo architecture.

BugPocket – Bug Management Platform 🌐 [live](#) 🐙 [github](#)

- Built a platform to capture, organize, and manage software bugs.
- Implemented authentication and a clean, responsive user interface.
- Designed to simplify bug reporting and issue tracking for developers.

AI Research Processing Pipeline – BullMQ, Redis, Docker 🐙 [github](#)

- Built an asynchronous research processing pipeline using BullMQ and Redis
- Implemented background workers, job retries, failure handling, and AI-based content analysis.
- Used Docker for Redis infrastructure and structured AI outputs for processed web content.

EDUCATION

Bachelor of Technology (B.Tech) – Computer Science & Engineering

Indraprastha Institute of Management & Technology

Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow

2024 – Present | 3rd Year