AVI WATWANI

Software Engineer | AWS Certified Developer

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ABOUT ME

I'm a Full Stack Engineer with a strong product startup background, focused on building scalable web applications using **Node.js**, **Next.js**, **NestJS**, and **Supabase**. Skilled in developing **GenAI-driven product features**, including **LLM integrations**, with a focus on performance, reliability, and user experience.

SKILLS

- Node.js
- MongoDB
- AWS
- AI / LLM Integration

- Next.js
- Firebase
- Docker & Kubernetes
- n8n Workflows

- NestJS
- Supabase
- GitHub Actions
- RAG Pipeline

WORK EXPERIENCE

Software Engineer

HowNow Technologies Pvt. Ltd.

June 2022 - October 2025

- **Engineered and optimized RESTful APIs**, reducing average response times by **20%** and strengthening backend–frontend integration across core product features.
- **Collaborated across teams** to develop and deploy new features, ensuring seamless integration with backend services.
- **Architected and led the implementation of a Mixpanel-based event tracking** and analytics solution, enabling data-driven decisions that improved feature adoption by **35%** through actionable insights into user behavior.
- Created reusable **middleware modules**, reducing development effort by **30%**.
- **Integrated Gemini LLM APIs** into backend services to power **AI-driven features**, handling prompt design, response validation, retries, and error handling.
- Built a **Retrieval-Augmented Generation (RAG) pipeline** using **embeddings** and **vector search** to generate grounded AI responses with source attribution, reducing hallucinations.
- **Led high-priority bug-fixing initiatives**, reducing critical issues and strengthening overall application stability.
- **Built high-throughput data ingestion pipelines for third-party providers**, automating monthly seeding workflows and improving data accuracy by **70%** while reducing manual intervention to near zero.

CERTIFICATIONS

AWS Certified Developer - Associate

URL - https://www.credly.com/badges/0b1dd0bd-d5af-402a-8469-b27a3596d33f

Date - June 2025

[Udemy] Docker & Kubernetes

URL - https://ude.my/UC-ca67c19c-daa5-4247-b71f-8c224c16a472

Date - June 2025

[Udemy] Node JS: Advanced Concepts

URL - https://ude.my/UC-56f9c63e-8305-46df-8aed-5deab1a45fc3

Date - May 2025

PERSONAL PROJECTS

AI Quiz Maker (12/2025)

- Implemented a **Generative AI** document-to-quiz system using **LLM integration** and **RAG pipelines** to generate and publish quizzes from PDFs and doc files, enabling users to access and take quizzes via shareable URLs.
- URL - quiz.itsurl.com

E-Commerce Website for a Coffee Brand (11/2025)

- Built a full-stack e-commerce platform for a coffee brand using **Next.js** and **Firebase**, integrating Razorpay (sandbox) for payments and **AWS Lambda** for handling webhook events.
- URL - coffee.itsurl.com

URL Shortner (04/2025)

- A simple URL Shortner. Used AWS Services like: **Lambda** to generate short url, **DynamoDB** to store the mappings, **API Gateway** for Lambda trigger, **Hosted Zones** for custom domain integration.
- URL - itsurl.com

The Chess Website (08/2024)

- Built a fullstack chess platform using **Next.js**, **Node.js**, and **Supabase**, enabling real-time gameplay through **WebSockets** and seamless player matchmaking.
- URL - chesseractindia.com

EDUCATION

B.E. Computer Engineering

Vivekanand Education Society's Institute of Technology, Chembur, Mumbai.

2017 - 2021 | CGPA - 8.10