Thilak Singh Thakur

Full Stack Developer

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TECHNICAL SKILLS

- **Frontend Development**: **React; Next.js; Redux; Typescript; Tailwind**; HTML5; CSS3; JavaScript ES6,Chakra UI
- **Backend Development**:**Node.js**; Express**;** RESTful API; OOPs,Performance-Testing
- **Database**: MongoDB **(Aggregations), SQL, PostgreSql (Advanced)**
- **DevOps / Tools**: Docker, CI/CD, Git,Github
- **Cloud & Services**: **AWS** (S3; CloudFront; Lambda; Route 53; CI/CD; IAM)
- **Familiar With**: Python; MySQL, Generative AI, LangChain, **RAG**; OpenAI API, Claude (Anthropic),React Native

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PROJECTS

Foodies Paradise | ⛓ | ⊕

- **A Responsive E-commerce Grocery Platform** built in React, Node.js with Redux and Express, Chakra UI, Material UI.
- **Led a team** of 4; **Developed product page, cart page functionalities** and designed RESTful APIs
- **Optimized performance** with **code-splitting, memoization, and lazy loading**
- **Dockerized app** and deployed via **AWS S3 + CloudFront; set up CI/CD pipeline** for seamless updates
- **Resolved team conflict** through **effective communication**, fostering a collaborative environment and team productivity

Code Converter | ⛓ | ⊕

- A **Generative AI** project built in **React** and **Node.js**, using **Express.js**, **RESTful APIs**, **OpenAI API,** and **Docker.**
- Designed features for **code conversion, analysis, and debugging** across multiple languages.

WORK EXPERIENCE

Elcom Digital	Sep. 2024 - Dec. 2024
Software Development Associate Intern	*Noida, Uttar Pradesh*

- **Built REST APIs** following **best security practices**, **reduced API response time by ~25%** via **backend optimization**.
- **Improved AI**-powered Finance Assistant **response accuracy** from **60% to 80%** using SQL agents provided by **open-source frameworks** like LangChain, and also built **RAG.**
- **Built MongoDB aggregation pipelines** leading to a **20% drop in query execution time.**
- **Improved app speed by over 40%**, optimizing **image handling**, **lazy loading**, and **reducing unnecessary re-renders**.
  - **Stack:** React**,** JavaScript, Node, Python, MySQL, AWS, Claude (Anthropic),Open-source tools**.**

Begalileo Carveniche	Feb. 2024 - Apr. 2024
Associate Developer Trainee	*Bangalore, Karnataka*

- Resolved a complex **React Native UI bug** by **debugging Redux** state and backend APIs **within a day**.
- Responsible for debugging, building backend APIs as well as **building pixel-perfect Figma-to-UI** implementation.
  - **Stack:** React, React Native, JavaScript, Node.js, Express.js, MongoDB.

CERTIFICATIONS, INTERESTS & ACHIEVEMENTS

- **Certifications:** [Certified Full Stack Developer](#), [Certified SQL & PostgreSql](#)
- **Achievements**:Built a **[Chrome extension](#)** to track common stocks across top portfolios, reducing manual effort by 5 hrs.
- **Soft skills**:Problem-Solving,Critical Thinking, Proactive, Conflict Resolution,Team work.

EDUCATION

Masai School	Jul. 2022 – Dec. 2023
Full Stack Web Development	*Bangalore,Karnataka*

- **Adaptable Full Stack Developer** proficient in **JavaScript, Node.js, Express.js, React.js & Mongodb**. Skilled in **Generative AI**, quick to learn new tech stacks, & experienced in building **responsive & scalable web** applications. Completed **2160+ hours of hands-on coding**, solved **300+ DSA problems** & **earned Gold badge** on **HackerRank.**

Geethanjali College of Engineering and Technology	Sept. 2011 – May. 2016
Bachelor of Technology, Electronics and Communications	*Hyderabad, Telangana*