

## Bandla Thrinath

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## Summary

Dynamic and results-oriented Backend Developer with 2.5+ years of experience specializing in Node.js backend development, GraphQL APIs, RESTful services, and microservices architecture. Skilled in building scalable and secure backend systems with expertise in TypeScript, PostgreSQL, MongoDB, Redis, AWS cloud deployment, and Dockerized applications. Proven success in designing, developing, optimizing, and deploying performant backend services across diverse industries.

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## Technical Skills

- **Programming Languages:** JavaScript (ES6+), TypeScript, Node.js
  - **Backend Frameworks:** Express.js, Apollo Server (GraphQL)
  - **API Development:** RESTful APIs, GraphQL APIs, Microservices
  - **Databases:** PostgreSQL, MongoDB, MySQL, DynamoDB, Redis
  - **Cloud & DevOps:** AWS (EC2, S3, Lambda, API Gateway), Docker, Kubernetes (basic), CI/CD pipelines
  - **Performance Tools:** K6 (Load Testing), Redis Caching, Query Optimization
  - **Other Tools:** Swagger (OpenAPI Specification), Git, Redis Pub/Sub
  - **Security:** JWT Authentication, OAuth 2.0, API Security Best Practices
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## Professional Experience

### Backend Developer | Telsen

*April 2024 – Present*

*Environment:* Node.js, GraphQL (Apollo Server), PostgreSQL, Redis, Docker, AWS

- Architected and implemented scalable GraphQL and RESTful APIs supporting real-time sensor data workflows.
- **Led a major data migration** project, transitioning from a **single-tenant to a secure multi-tenant database architecture**, enhancing platform scalability and reducing infrastructure costs by 30%.
- Designed a multi-tenant microservices architecture, supporting efficient onboarding of new clients.

- Optimized complex SQL queries and database indexing, resulting in 35% faster API response times.
- Integrated AWS cloud services (EC2, S3, Lambda) for scalable application deployment.
- Developed CI/CD pipelines ensuring zero-downtime deployments via GitHub Actions.
- Conducted load and performance testing using K6, validating system stability under 5x expected user traffic.

### **Backend Developer | Cimple**

*October 2023 – April 2024*

*Environment:* Node.js, Apollo Server (GraphQL), MongoDB, AWS, Docker

- Built robust GraphQL APIs with Apollo Server to serve complex client-side queries.
- Optimized GraphQL resolvers, improving API request speeds by 30%.
- Implemented JWT-based authentication and secure role-based access control (RBAC).
- Designed scalable MongoDB schemas for dynamic and efficient data storage.
- Dockerized applications for streamlined deployment and scaling across multiple environments.

### **Backend Developer | DriveFuze**

*November 2022 – September 2023*

*Environment:* Node.js, Express.js, PostgreSQL, Docker, Redis, Swagger

- Developed and maintained high-performance REST APIs for customer management platforms.
- Engineered bulk data synchronization modules, increasing data consistency by 40%.
- Created automated cron jobs for backend task management and reporting.
- Integrated third-party APIs like Spotler, ensuring smooth end-to-end backend workflows.
- Wrote comprehensive unit and integration tests, increasing code coverage by 20%.

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## **Projects**

### **Airbnb Clone**

- Built a full-stack Airbnb platform with Node.js backend, including user authentication, booking management, and Stripe payment integration.

### **Real Estate Management Platform**

- Developed a backend for a real estate listing portal, featuring advanced search filters, real-time updates, and property management workflows.
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## **Education & Certifications**

- B.Tech – Electronics & Communication Engineering
  - Full Stack Development Certification – 10xAcademy
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## **Languages**

- English (Professional Working Proficiency)