

Thushanth Devananda Bengre

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[LinkedIn](#) | [GitHub](#) | [Website](#)

PROFESSIONAL SUMMARY

Full Stack Developer with 9 years of experience specializing in the end-to-end deployment of scalable **IoT platform** and **AI-integrated solutions**. Expert in architecting high-performance cloud-native AWS ecosystems using **Java** and **React** within **Agile development environments**. **Cost-conscious architect** dedicated to optimizing cloud resource utilization through **Micronaut's AOT compilation** and efficient microservice design. Proven leader in **enhancing cloud observability** and driving rapid feature delivery through **automated CI/CD pipelines** while maintaining **>85% code quality** standards.

TECHNICAL SKILLS

- **Languages & Config:** Java, JavaScript, TypeScript, SQL, Python, Shell Script, YAML.
- **Backend & Frameworks:** Micronaut, Spring Boot, Spring MVC, Node.js, Hibernate ORM.
- **Frontend:** React, Redux, Next.js, Tailwind CSS, Node.js, Material Design, Figma, Canva
- **Cloud & Security:** OIDC, OAuth 2.0, AWS (Lambda, EC2, S3, RDS, SNS/SQS, IAM), MQTT, CloudFormation.
- **DevOps & Tools:** Docker, Kubernetes, Jenkins, SonarQube, Prometheus, Grafana, Maven, Git, AWS CLI
- **Databases:** PostgreSQL, DynamoDB, MySQL, MongoDB.
- **AI:** Amazon Bedrock, Vertex AI Studio, RAG, GitHub Copilot.

PROFESSIONAL EXPERIENCE

Signify | Burlington, MA

Software Developer | Jan 2019 – Feb 2026

- **Spearheaded the development of a centralized IoT Portal** using **React/Redux** and **Java**, creating a unified, cost-efficient interface for all platform API offerings.
- **Engineered high-performance microservices using Micronaut**, leveraging AOT compilation to reduce cold-start latency by **40%** and lower AWS compute overhead.
- **Architected and deployed AI-driven solutions**, including RAG-based knowledge bases using **Amazon Bedrock**, to automate platform support.
- **Secured ecosystem access** by implementing **OIDC** and **OAuth 2.0** protocols, ensuring robust identity management and secure SSO.
- **Collaborated in cross-functional Agile teams** to bridge the gap between frontend and backend requirements, accelerating feature deployment through continuous integration and peer code reviews.
- **Developed** secure RESTful APIs using **AWS Lambda** and **CloudFormation**, handling high-frequency authentication requests with **OIDC** integration.

Accenture Services PVT Ltd. | Bangalore, India

Application Development Analyst | July 2014 – July 2017

- **Developed enterprise-grade Full Stack interfaces for credit management, focusing on layout usability and increasing operational productivity by 10%.**
- **Automated complex business workflows using Java and JavaScript**, reducing manual data processing time and improving system reliability.
- **Optimized database performance** by resolving data map issues, resulting in a **60% reduction** in past-due order processing errors.

EDUCATION

Northeastern University | Boston, MA | *Master of Science in Information Systems* | Dec 2019

The National Institute of Engineering | Mysore, India | *Bachelor of Engineering* | June 2014