

# Thushanth Devananda Bengre

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## 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.

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## 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.
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## 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.
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## 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

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