

# Yougal Bimali

## Software Engineer

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🌐 [Portfolio](#)    |    [LinkedIn](#)    |    [GitHub](#)

## Profile

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Software Engineer with experience designing and delivering scalable, secure, and user-centric web applications. Strong background in Java, JavaScript, Spring Boot, Node.js, React, MERN Stack, and cloud-native architectures. Strong problem-solving mindset, proficient in multiple programming languages, and passionate about developing innovative software that enhances user experiences.

## Technical Skills

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**Languages:** Java, JavaScript, TypeScript, Python

**Frontend:** React.js, Next.js, HTML, CSS, Responsive Design, UI/UX

**Backend & APIs:** Spring Boot, REST APIs, Node.js, gRPC

**Databases:** PostgreSQL, MongoDB, Redis, Elasticsearch

**Cloud & DevOps:** AWS, Docker, CI/CD, Git, Kubernetes, Kubectl, Jenkins

**Event-Driven Architecture:** Kafka, RabbitMQ

**Authentication & Security:** JWT, OAuth

**Testing:** Unit testing, Integration Testing, End-to-End Testing

**Soft Skills:** Collaboration, Product Thinking, Communication

## Professional Experience

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**Full Stack Software Developer** — [VerifyWise](#)      Toronto, Canada    Aug 2025 – Present

- Built GenAI-powered repository scanner detecting 180+ AI/ML frameworks, providing file-to-line traceability to surface unauthorized AI usage and ensure regulatory compliance.
- Contributed to the development of VerifyWise, an open-source AI governance platform, supporting compliance for EU AI Act and ISO 42001.
- Developed full-stack features using React, TypeScript, and Node.js for an AI risk management and compliance tracking platform deployed via Docker.
- Collaborated with a team of 29+ contributors to build risk management dashboards and AI trust center functionality for enterprise AI governance.

**Software Engineer** — [Hamro Patro](#)      Kathmandu, Nepal    Aug 2021 – Mar 2024

- Enhanced an in-house remittance platform that replaced costly third-party APIs, significantly reducing operational costs.
- Architected a robust backend using Java, Spring Boot, PostgreSQL, Kafka, Redis, and AWS.
- Implemented a comprehensive payment processing system (ACH, Cards) and mastered financial regulations, including KYC, AML, and cross-border requirements.

- Designed and implemented RESTful APIs for transaction tracking, leveraging Kafka-based Dead Letter Queues (DLQs) to capture failed transactions, enable reliable error monitoring, logging, and automated retries.

## Major Projects

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### VerifyWise — AI Governance Platform

- Built an open-source AI governance platform providing compliance tracking, risk assessment, and ethics monitoring for enterprise AI systems, using React, TypeScript, and Node.js.

### Remittance Platform — Hamro Patro

- Expanded US–Nepal remittance system by replacing costly third-party APIs.
- Designed backend services (Java, Spring Boot, PostgreSQL, AWS) with transaction tracking, Kafka event streaming, and error resilience.

### Hamro Remittance Web Dashboard

- Developed admin and user dashboards to enhance remittance platform functionality and streamline the user experience (React, Node.js, REST APIs).

### Claude AI Futures Trading System

- Developed a full-stack trading platform integrating Claude AI for advanced market analysis and real-time insights.

### ThreatScope — OSINT Security Platform

- Built a professional OSINT threat monitoring platform with real-time dashboards, JWT authentication, and scalable backend architecture.

## Certifications

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- AWS Certified DevOps Engineer — [Certificate Link](#)

## Education

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<b>Postgraduate in Software Engineering</b>	Dec 2025
Lambton College, Toronto, Canada	
<b>Bachelor of Computer Science</b>	2021
University of Wolverhampton, Nepal	

## Languages

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English • Nepali • Hindi