

SAMSON VINCENT JULIUS

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Summary

Software Developer Intern specializing in **Golang** microservices and **Java Spring Boot** backend development. Design and build backend systems that use JWT authentication, **RabbitMQ**-based messaging, and **REST APIs** to support reliable application workflows. Work with **Hyperledger Fabric** and **Cosmos** ecosystem technologies (**Cosmos SDK**, **Cosmos EVM**, **IBC**). Experienced with RPC, Protocol Buffers, and scalable system design. Skilled in distributed systems, scalable architecture, and API development with strong foundations in data structures and system design.

Education

Jaypee University of Information Technology

September 2022 – June 2026

B.Tech in Computer Science and Engineering

Solan, Himachal Pradesh

- CGPA: 8.5; completed coursework in Data Structures, Object-Oriented Programming, Operating Systems, and DBMS.
- Participated in coding contests and technical hackathons.

St. Francis' College

May 2020 – May 2022

XII - 93.75%, X - 95.60%

Lucknow, Uttar Pradesh

- Maintained strong academic performance and participated in science fairs and competitions.

Experience

Software Engineer Intern

August 2025 – April 2026

Antier Solutions Pvt. Ltd.

- Accelerated cross-chain communication workflows by developing **Cosmos SDK** modules and implementing Go-based **IBC** relayers for 2 decentralized blockchain networks.
- Improved transaction transparency and auditability by delivering 2 blockchain Proof-of-Concept solutions using **Hyperledger Fabric** for supply chain and trade finance workflows.
- Enhanced backend scalability by architecting **Golang** microservices with JWT authentication and **RabbitMQ**-driven asynchronous processing for secure user onboarding systems.

Projects

Online Quiz Application | Java, Spring Boot, Spring MVC

GitHub

- Enabled concurrent quiz participation for 200+ questions by developing RESTful backend services using Spring Boot and layered architecture principles.
- Enhanced code maintainability and modularity by implementing service-repository architecture following MVC design patterns.

PetCare | Java, Spring Boot, Hibernate

GitHub

- Streamlined appointment management workflows by developing a multi-role backend platform supporting Patients, Vets, and Admins.
- Strengthened application security by integrating JWT authorization and MySQL persistence using Hibernate and JPA.

BTC/ETH Indexer | Golang, PostgreSQL, Redis, RPC

GitHub

- Optimized blockchain data processing by building a Golang-based indexer to normalize Bitcoin and Ethereum transaction data into PostgreSQL.
- Reduced query response latency by integrating Redis caching for high-frequency blockchain data retrieval operations.

Bhal-Lang | Python

GitHub

- Built a custom interpreted programming language by implementing a complete 3-part Lexer → Parser → Interpreter pipeline in Python, enabling execution of variables, control flow, functions, recursion, and dynamic data types.
- Improved language usability and debugging by developing an interactive REPL, script execution support, and descriptive runtime error reporting with call stack tracebacks and 10+ custom BH-prefixed language keywords.

Technical Skills

Languages: Java, Golang(Go), Python, C, C++, SQL, JavaScript, HTML/CSS

Technology & Frameworks: Spring Boot, Gin, Hyperledger Fabric, Cosmos SDK, Cosmos EVM, IBC, ReactJS

Databases & Messaging: MySQL, PostgreSQL, Redis, RabbitMQ

Developer Tools: Git, GitHub, IntelliJ IDEA, VS Code, PyCharm, MATLAB, Linux(Ubuntu)

Extracurricular Activities / Leadership

IEEE JUIT-SB

August 2024 – August 2025

Vice Chairperson

Jaypee University of Information Technology

- Coordinated 25+ team members to execute workshops, bootcamps, and technical initiatives across the university.
- Increased student technical engagement by overseeing 3 large-scale engineering and community events.