Aniket Kumar Paul
Middle Software Developer

SUMMARY

- Software engineer with strong foundation in Computer Science and Engineering (AI & Robotics specialization) from Vellore Institute of Technology, CGPA 9.05/10.
- Proficient in Java, Solidity, Python, Rust, Go, and JavaScript; experienced in blockchain development, distributed systems, and financial transaction modules.
- Led zero-downtime Oracle to PostgreSQL migration, cutting costs by $500K+ annually and boosting system performance by 73%.
- Developed blockchain-based decentralized crowdfunding and immutable legal records platforms, recognized in top 10 at Smart India Hackathon 2023.
- Skilled in CI/CD, automated testing (Selenium), and security operations, ensuring robust, scalable software delivery.

TECHNICAL SKILLS

Main Technical Skills	Java (6 yr.), Solidity (4 yr.), Python (6 yr.), Smart Contract, Blockchain (4 yr.)
Programming Languages	Java (6 yr.), Python (6 yr.), Solidity (4 yr.)
Java Frameworks	Hibernate
Python Libraries and Tools	Robot Framework
JavaScript Libraries and Tools	Web3.js
Security	Sentinel
Databases & Management Systems / ORM	Hibernate, PostgreSQL (3 yr.)
Industry Domain Experience	Blockchain (4 yr.)
Blockchain and Decentralized Software	Brownie, Linea, OpenZeppelin, Smart Contract
Deployment, CI/CD & Administration	CD DevOps pipelines (1 yr.), Gradle
Version Control	Git
QA, Test Automation, Security	JUnit (1 yr.), Selenium (3 yr.)
Operating Systems	Linux

SDK / API and Integrations	RESTful API, ServiceNow API

WORK EXPERIENCE

Software Developer - ION Group (Fees & Margin Module and Cross-Platform Synchronization Service)

Duration: Jan 2024 – Present

Summary: Development and optimization of a distributed Java/J2EE-based Fees & Margin Module for financial systems handling millions in daily settlements, along with a cross-platform synchronization service between the Fees Module and FIA Docs to enable secure, near real-time replication of client account data, enhancing revenue streams and client adoption.

Responsibilities:

- Engineered high-performance features for a distributed Java/J2EE-based Fees & Margin Module, optimizing transaction throughput and data consistency across services, for mission-critical financial systems handling millions in daily settlements.
- Led development of a cross-platform synchronization service between the Fees Module and FIA Docs, enabling secure, near real-time replication of client account data — unlocking a new revenue stream and driving client adoption.
- Led zero-downtime migration from Oracle to PostgreSQL, deploying advanced indexing and query optimization—cutting infra licensing costs by $500K+ annually and boosting system performance by 73%.
- Built and optimized CI/CD pipelines (Jenkins, Ansible, Shell), integrating automated deployment verification and rollback mechanisms, improving deployment speed and reliability by over 90% while ensuring secure production releases.
- Refactored and extended automated testing frameworks with 70+ Selenium and backend integration tests, simulating high-load scenarios to validate the integrity and correctness of financial transactions.

Technologies: Java, J2EE, Oracle, PostgreSQL, Jenkins, Ansible, Shell scripting, Selenium, CI/CD pipelines

Advanced App Engineering Analyst (Summer Intern) - Accenture (Security Operations and Incident Response)

Duration: Jun 2023 – Jul 2023

Summary: Supported client security operations by contributing to incident response and security investigations using Microsoft Sentinel SIEM and ServiceNow ITIL platform, enhancing threat mitigation strategies.

Responsibilities:

- Contributed to security operations and incident response, utilizing Microsoft Sentinel SIEM and ServiceNow ITIL platform) to support client security.
- Collaborated with security leads on incident investigations, analyzing security logs and providing actionable recommendations for threat mitigation.
- Received a Pre-Placement Offer PPO in recognition of exceptional performance and contributions during the internship.

Technologies: Microsoft Sentinel SIEM, ServiceNow ITIL

Summer Research Intern - Vellore Institute of Technology (Lane and Barricade Detection for Autonomous Vehicles)

Duration: Jun 2022 – Jul 2022

Summary: Conducted research on lane and barricade detection using deep learning-based vision sensor techniques for autonomous vehicles, culminating in a comprehensive research paper analyzing advancements and challenges in autonomous driving systems.

Responsibilities:

- Pioneered research in lane and barricade detection for autonomous vehicles, utilizing and analyzing deep learning-based vision sensor techniques.
- Authored a comprehensive research paper, delivering a critical comparative analysis of cutting-edge advancements, challenges, and future trajectories in autonomous driving systems.

Technologies: Deep learning, Vision sensors

PROJECTS

VentureHiveX: Decentralized Crowdfunding Platform for Businesses

Duration: 2025

Summary: Architecting a blockchain-based platform that enables businesses to pitch ideas via video and secure funding from a global investor network, implementing tokenized equity shares to facilitate secondary market trading and enhance liquidity for investors.

Technologies: Blockchain

IntenX: AI-Driven Cross-Chain Portfolio Rebalancer (NEAR Blockchain)

Duration: 2025

Summary:

- Developed an automated portfolio rebalancing solution leveraging NEAR Intents and Bitte
- ai, optimizing investments through smart contract-driven real-time trading with seamless multi-chain interoperability and intelligent market analysis

Technologies: NEAR Blockchain, Smart Contracts, AI

Blockchain-Powered Immutable Legal Records Ledger

Duration: 2023

Summary:

- Led development of a secure, transparent, and immutable blockchain-based ledger for criminal records management, creating a framework for efficient and trustworthy criminal background checks that significantly enhance data integrity

- This project was a Top 10 finalist among 200+ teams at the Smart India Hackathon 2023

Technologies: Blockchain

EDUCATION

- **Vellore Institute of Technology, Chennai**
  Bachelor of Technology, Computer Science and Engineering - with AI & Robotics,
  CGPA: 9.05/10
  2020 – 2024