

ABARNO RAHA

Lead Software Engineer

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PROFESSIONAL SUMMARY

Lead Software Engineer at Secuvy AI with 8+ years delivering secure, cloud-native backend platforms. Lead a team of 8 engineers to develop, deploy, and productize an AI data governance pipeline and AI data security capabilities spanning data discovery, classification, DSPM, privacy, and AI governance. Strong in Node.js, TypeScript, Python, PostgreSQL, MongoDB, Redis, React.js, and production delivery on AWS and Azure. Prior onsite consulting at Emirates NBD and delivery across cybersecurity, fintech, healthcare, and pharma. Hands-on with GitHub Copilot, automation, and Model Context Protocol (MCP).

CORE SKILLS

Leadership & delivery: Technical leadership, team leadership (8 engineers), productization, Agile, stakeholder management, automation

AI, data & security: AI data governance, AI data security, data governance pipeline, data discovery, data classification, DSPM, privacy, PII processing, machine learning (ML), cybersecurity, Model Context Protocol (MCP), Multi-Agent Protocol

Backend & APIs: Node.js, TypeScript, JavaScript, Python, NestJS, Express.js, REST API design, microservices, Flask

Frontend: React.js

Data & messaging: PostgreSQL, MongoDB, Redis, MySQL, RabbitMQ, Apache Kafka

Cloud & DevOps: Amazon Web Services (AWS), Microsoft Azure, AWS Lambda, Amazon S3, Amazon Cognito, AWS CloudFormation, serverless architecture, Docker, Jenkins, GitLab CI/CD, GitHub Copilot, CI/CD pipelines

Integrations: Microsoft Graph API, Google Workspace (G Suite) APIs, Salesforce APIs

Domains: AI data security products, retail banking, fintech, cybersecurity, pharmaceutical, healthcare

PROFESSIONAL EXPERIENCE

Lead Software Engineer | Secuvy AI

Hyderabad, Telangana, India | July 2025 – Present

- Lead a team of 8 engineers to develop, deploy, and productize an AI data governance pipeline and AI data security platform for enterprise customers.
- Drive end-to-end delivery of data discovery, classification, DSPM, privacy, and AI governance capabilities so only appropriate data reaches AI pipelines.
- Ship production AI data security controls for sensitive and personally identifiable information (PII), including policy-aligned handling, filtering, and audit-ready evidence such as a Data Bill of Materials (DBOM).
- Partner with product, security, and customer stakeholders to take the platform from development through deployment, operational readiness, and productization.
- Build scalable backend services and APIs using Node.js, PostgreSQL, MongoDB, Redis, and cloud-native patterns on AWS and Azure.
- Apply automation, GitHub Copilot, and Model Context Protocol (MCP) to accelerate engineering workflows and multi-agent tooling around the platform.

Consultant, Backend Engineer | Emirates NBD

Dubai, United Arab Emirates | October 2024 – July 2025

- Worked onsite as a backend engineer on scalable, secure retail banking products serving Emirates NBD customers.
- Designed and implemented RESTful APIs and backend services using Node.js, MongoDB, and Redis for reliable integration with existing banking systems.
- Used GitHub Copilot to accelerate delivery of production features while maintaining code quality and security standards.

- Collaborated with cross-functional teams in Agile sprints to gather requirements and ship production-quality software.
- Implemented CI/CD pipelines using Jenkins to automate build, test, and deployment.

Senior Software Developer | CBNITS

Kolkata, West Bengal, India | January 2022 – September 2024

- Led a team of 5 engineers to develop cybersecurity software using Node.js, Express, PostgreSQL, Redis, Python, React.js, TypeScript, and AWS (S3, Cognito, Lambda).
- Built REST API solutions to fetch PII from external systems, process data with machine learning (ML), and generate personal identity information reports; integrated Microsoft Graph API, Google Workspace (G Suite) APIs, and Salesforce.
- Developed fintech backend features for card transactions, banking services, and account registration using Node.js, TypeScript, NestJS, MongoDB, RabbitMQ, and AWS S3.

Web Software Developer | CBNITS

Kolkata, West Bengal, India | June 2020 – January 2022

- Implemented an order-handling system for a pharma platform using Node.js, PostgreSQL, and Microsoft Azure services.
- Built healthcare customer-registration services using Python, Flask, MySQL, and Apache Kafka.
- Created and maintained CI/CD pipelines in GitLab to standardize deployment across projects.

Software Engineer | Ingram Micro Cloud

Durgapur, India | June 2018 – June 2020

- Worked in the Center of Excellence team designing and developing highly scalable cloud-native applications on Microsoft Azure.
- Built a serverless exam portal on AWS for campus interviews, using AWS Lambda, Amazon Cognito, and AWS CloudFormation.
- Applied serverless architecture and infrastructure-as-code practices to improve reliability and reduce operational overhead.

EDUCATION

B.Tech, Computer Science | Future Institute of Technology | 2014 – 2018

CERTIFICATIONS

Implementing Microsoft Azure Infrastructure Solutions

ADDITIONAL INFORMATION

Open to Lead Software Engineer, Technical Lead, and Engineering Lead roles focused on AI data governance, AI data security, backend systems, and cloud-native product delivery. LinkedIn: <https://www.linkedin.com/in/abarnoraha/>