

Biswabijaya Samal

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SUMMARY

I'm a seasoned Tech Lead with over 5 years of experience in full-stack development, cloud computing, software architecture, and cybersecurity. At Enigma Genomics, I've spearheaded the launch of enigmagenomics.com, built and scaled the tech team, optimized operations with smart automation, and reduced data & database maintenance costs.

EXPERIENCE

Enigma Genomics, Tech Lead Software Engineer 3

Mar 2023 - Present

Building & Leading Tech @ Enigma and group companies

- Responsible for IT, Automation, and Data Analysis
- Formed and led the tech team
- Launched enigmagenomics.com, eco-genomics.com & myyouth.ai
- Followed event-driven architecture strictly.
- Optimized business operations using DPAs on Make and RPAs on Power Automate.
- Developed a robust data management system.
- Automated crawling systems (RPAs & DPAs)
- Smart automation solutions, leveraging Google Cloud, to efficiently manage data, reducing maintenance costs by 80%.
- HPO Phenotype-Gene-Disease-Condition relational database enabling dynamic search pages in English and Arabic.
- Developed and maintained backend systems using Node.js and TypeScript, ensuring system reliability and scalability in high-traffic environments by implementing event-driven architecture and optimizing MySQL databases.

Milky Mist Dairy, Senior Software Engineer 2

Dec 2021 - Mar 2023

Tech Leadership in Brand, Digital & E-Commerce

- Developed E-Commerce App (Web & Mobile) for Milky Mist Dairy.
- Built a WhatsApp Bot on Yellow.ai with Zendesk automation for personalized replies.
- Automated operations using AI & RPA:
- AI OCR for MT PO/GRN/PA reconciliation.
- AI & Data Analytics to boost sales predictions.
- QR/Barcode systems for inventory management.
- RPA & Micro-automation (Make, Power Automate) for reporting & process efficiency.

E-Commerce:

- Managed partnerships, digital audits & marketing.
- Launched & scaled online shopping channels in India.
- Optimized website performance & sales.

Milk Mantra, Full Stack Software Engineer 1

Aug 2020 - Nov 2021

Led Moo Tech Team | eCommerce D2C APP Blockchain & AI Innovations

- Built DailyMoo Apps (Consumer, Rider & NextJS Admin) from scratch, leading a small team.
- Optimized backend with MySQL for tracking, routing & efficiency.
- Enhanced UI/UX, integrating global trends for better engagement.
- Implemented DevOps & CI/CD with Jest TDD, Jira & GitHub Actions on AWS.
- Designed & developed React-based Admin Panel & Flutter Mobile Apps.
- Built REST APIs using Node.js & Flask-based microservices.
- Used Chart.js & D3.js for data visualization.
- Applied blockchain for product traceability & in-trial crypto payments.

acadedge education Private Limited, Co-Founder - Technology

Jul 2020 - Nov 2020

Co-Founding experience - Complete Setup in 5 months.

- Launched the AcadEdge website & YouTube channel, driving engagement and business growth.
- Led research on lecture content, optimizing teaching & learning processes for better effectiveness.
- Focused on tech-driven solutions to enhance educational accessibility and impact.

*WB Web Development Solutions, **Co-Founder & CTO***

Oct 2018 - Aug 2020

Co-founding experience at WB Web

- Led a team of 15, delivering 20+ projects.
- 15 websites, 2 web-applications, and 3 mobile apps.
- Utilized GCP, AWS, and IBM Cloud for development and hosting.
- Provided cost-effective hosting by partnering with cloud providers.
- Gained hands-on experience in Product Planning and Design.
- Scaled on Development, and Marketing, learning to launch a startup within months.
- Tech Stack: Node.js, PHP, Python (Flask, Django), React, jQuery, HTML, CSS, JS, Kotlin, Flutter.

*Urban Company, **Freelance Web Developer***

Apr 2018 - Oct 2018

Freelance Developer Experience with UrbanClap (Now UrbanCompany)

Completed 3 diverse projects.

- E-commerce website with mailing integration (PHP + React).
- Creative portfolio website for a designer.
- Video pre-casting app for bloggers using YouTube as SaaS.

*Atulyakala, **Web Development Intern***

Jul 2017 - Jun 2018

Technical Internship Experience with Atulyakala

- Developed the website & Admin Panel to manage orders efficiently.
- Automated order processing by integrating with shipping partners.
- Designed & implemented promotional offers.
- Integrated them with affiliate marketing APIs to boost sales.
- Later Implemented Shopify

EDUCATION

SRM University Sonapat, Haryana

*Bachelor of Technology (B.Tech.) • **CSE** • 2016 - 2020*

Mother's Public School

*12th Degree • **PCM-CBSE** • 2014 - 2016*

Carmel School

*10th Degree • **ICSE** • 2001 - 2014*

LICENSES & CERTIFICATIONS

Cert Prep: Scrum Master

Google Cloud Certified - Cloud

Digital Leader

Google Analytics 4 (GA4) Essential Training

Building RESTful APIs with Node.js and Express

DevOps with AWS

SKILLS

Technical Leadership • Full Stack Web Development • API Development • Hindi • English • Odia