

# Bhaumik Singh

SOFTWARE ENGINEER · WEB & ANDROID PLATFORMS

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Software Engineer with a strong foundation in automation, backend systems, and CI/CD workflows. Skilled in building developer tools, collaborating across teams, and enhancing system reliability through scalable, maintainable code and proactive engineering practices.

## Education

7.3/10 **Computer Science Engineering, ITER** | Siksha'O'Anusandhan University | Odisha, India

2021-25

**Relevant Coursework**, Machine Learning | Operating Systems | System Design | Web Development

## Experience

### Pieces for Developers - Cincinnati, OH

Jan 2025 – Feb 2025

Quality Assurance Engineer

Remote

- Managed the end-to-end quality assurance process, including GitHub issue tracking, meticulous testing of pull requests (PRs), and providing final approvals for code merges.
- Maintained and optimized (CI/CD) pipelines, ensuring reliable automated builds, testing, and software deployment cycles.
- Updated comprehensive documentation for software changes, new features, and testing protocols to ensure clarity for development teams and stakeholders.

### Twinverse Technology Pvt. Ltd. – India

Dec 2022 – Oct 2024

Software Engineer

- Designed and implemented backend services with RESTful APIs using Node.js, improving performance and scalability.
- Worked closely with frontend developers to integrate APIs, streamline user workflows, and ensure seamless UI/UX consistency.
- Contributed to architectural decisions and codebase refactoring efforts and improved maintainability.
- Actively participated in Agile development cycles, leading sprint planning and code reviews for continuous improvement.

### Karkhana – Bhubaneswar, Odisha, India

Jan 2021 – Nov 2022

Embedded Systems & Full Stack Developer (Intern)

- Built and maintained full-stack web applications using React.js, Node.js, and MongoDB for IoT maker labs and community engagement platforms.
- Developed firmware for embedded IoT devices using C/C++ and integrated them with cloud services for real-time data monitoring.
- Implemented CI/CD pipelines using GitHub Actions, enhancing deployment reliability and speeding up release cycles by 40%.
- Contributed to cross-platform system integration, enabling interoperability between hardware devices and web platforms.

## Technical Skills

### Languages & Scripting

Java, Kotlin, Python, JavaScript, TypeScript, Dart, Bash

### Frontend Frameworks

React.js, Next.js, Flutter, HTML5, CSS3, Tailwind CSS

### Backend & Databases

Node.js, Express.js, MongoDB, PostgreSQL, Firebase, Supabase

### Mobile & Android Development

Kotlin, Java, Flutter, Jetpack Compose, Android SDK

### DevOps & CI/CD

Git, GitHub, GitLab, Docker, Jenkins, GitHub Actions, CircleCI, Kubernetes

### Cloud & Hosting Platforms

AWS (EC2, S3, Lambda), GCP (Firebase, Cloud Functions), Azure

### APIs & Communication

RESTful APIs, GraphQL, WebSockets, gRPC

### Development Practices

Agile, Scrum, TDD, Code Reviews, CI/CD Pipelines, Version Control

## Projects

### CloudSync File Storage Platform

- Designed and developed a scalable cloud-based file storage service using **Node.js**, **Express**, and **AWS S3**, supporting multi-user uploads and secure file sharing.
- Implemented user authentication and role-based access control using **Firebase Auth** and **JWT**.
- Deployed the application with **Docker** on **AWS EC2** and set up CI/CD workflows using **GitHub Actions**, ensuring zero-downtime deployments.

### DevOps Dashboard for CI/CD Monitoring

- Developed a real-time DevOps dashboard using **React.js** and **WebSockets** to visualize build statuses, deployment logs, and system metrics from **Jenkins** and **Docker**.
- Automated infrastructure provisioning using **Terraform** and deployed the monitoring stack with **Prometheus** and **Grafana**.
- Improved deployment transparency and issue resolution speed by 50% through centralized log aggregation and live build analytics.

## Certifications

Jun 2024 **Automate Cybersecurity Tasks with Python**,

Google

Mar 2024 **Tools of the Trade: Linux and SQL**,

Google

Jan 2024 **Connect and Protect: Networks and Network Security**,

Google

Sep 2024 **Google Cybersecurity Professional Certification**,

Coursera

Sep 2022 **Architecting Google Compute Engine Specialization**,

Google

Sep 2022 **Android Mobile Application Development**,

Meta

Mar 2022 **GitHub Actions: CI/CD**,

Codedamn