

Bibhash Singh

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🌐 [linkedin.com](#) 🌐 [Portfolio](#)

Summary

Lead Full-Stack Engineer with 8+ years of experience building scalable, cloud-native applications. Proficient across the full stack using React, Node.js, Ruby on Rails, PostgreSQL, AWS, and Redis. Hands-on experience with GenAI, RAG pipelines, LangChain, LangGraph, Web3, payment systems, and distributed architectures.

Skills

Languages	JavaScript, TypeScript, Python, SQL
Frontend	React, Next.js, Redux, Tailwind CSS
Backend	Node.js, Express.js, Ruby on Rails, REST APIs
AI / ML	OpenAI, LangChain, LangGraph, RAG, MCP
Cloud	AWS, GCP, Docker, Kubernetes
Databases	PostgreSQL, MongoDB, Redis
Blockchain	Solidity, Thirdweb, ERC-721, Gasless Transactions

Experience

Lead Software Engineer Sep 2023 – Present
Accolite, Bengaluru, India

- Architected a Manifest V3 browser extension for OneLogin, serving 1M+ users.
- Built scalable, production-grade applications using React, Node.js, Ruby on Rails, Python, and AWS.
- Designed an AI-powered incident triage platform integrating Incident.io, Datadog, GitHub, and Sumo Logic.
- Improved backend performance by 30%, streamlined CI/CD pipelines, and mentored junior engineers.

Software Engineer Nov 2022 – Sep 2023
Quboid

- Developed a Web3 wallet application using React, Node.js, and Thirdweb.
- Built ERC-721 smart contracts supporting NFT minting, event ticketing, and gasless transactions.
- Engineered payment infrastructure with PostgreSQL, Express.js, and AWS achieving 99.9% uptime.

Full Stack Developer Jan 2020 – Oct 2022
Zelp Technologies

- Built scalable React, React Native, and Node.js applications across web and mobile platforms.
- Developed a workflow engine, low-code platform, WebSocket collaboration layer, and REST integrations.
- Integrated BLE device communication, Firebase Authentication, and payment gateways.

Software Developer Jun 2019 – Jan 2020
QikPod

- Built serverless infrastructure on GCP, reducing infrastructure code by 90%.
- Designed a nationwide deployment strategy cutting rollout time to under one week.

Software Development Engineer Jul 2018 – Jun 2019
Mahindra Comviva

- Developed user-management microservices for a digital banking platform.

Selected Projects

AI Incident Triage Agent

Designed and built an AI-driven triage platform integrating Incident.io, Datadog, GitHub, and Sumo Logic to automate incident classification, routing, and resolution workflows.

WebWhiz

Built a RAG-powered tool that ingests any public URL, article, or Confluence page and enables users to ask context-aware questions via text or voice, with source citations and confidence scores. Implemented session-scoped context management to ground all answers in the ingested source, eliminating hallucination risk. Handled private Confluence pages by prompting for credentials and securely fetching content via the Confluence REST API at runtime.

OneLogin Browser Extension (1M+ users)

Architected a Manifest V3 Chrome extension for OneLogin's identity platform, supporting secure SSO and credential management at scale for over one million active users.

Web3 Wallet

Built a full-featured Web3 wallet with React and Node.js, leveraging Thirdweb for on-chain interactions, wallet connections, and transaction signing.

NFT Ticketing Platform

Engineered ERC-721 smart contracts enabling NFT-based event ticketing with gasless transactions and on-chain ownership verification via Solidity and Thirdweb.

Payment Infrastructure

Designed and deployed a high-availability payment processing system on AWS using PostgreSQL and Express.js, maintaining 99.9% uptime under production load.

Low-Code Workflow Builder

Developed a drag-and-drop workflow engine and low-code platform with real-time WebSocket collaboration, enabling non-technical users to build and automate processes.

Certifications

- **LangChain:** Develop AI Agents with LangChain & LangGraph
- **Model Context Protocol (MCP)** — Anthropic
- **Claude Certified Architect - Foundation** — Anthropic

Awards

- **Cognizant Mastercode 2017** — Competitive programming recognition
- **Above & Beyond Award** — Excellence in delivery and teamwork

Education

B.E. in Information Technology

University Visvesvaraya College of Engineering (UVCE), Bengaluru

2014 – 2018

Secondary & Higher Secondary Education

Kendriya Vidyalaya

2002 – 2014