

Shashwat

Software Development Engineer I

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Summary

Software Development Engineer I with approximately one year of experience building production React applications, reusable components, dashboards and REST API integrations. Contributed a merged bug fix to Go's gopls language server. Professional work uses JavaScript, TypeScript, Redux Toolkit and RTK Query; personal Go projects focus on HTTP APIs, concurrency control and testing.

Skills

Languages	JavaScript (ES6+), TypeScript, Go (Golang), SQL, HTML5, CSS3
Frontend	React.js, Redux Toolkit, RTK Query, Next.js, Vite, SCSS, Tailwind CSS, MUI
Go Projects	Gin, HTTP APIs, goroutines, mutexes, concurrency testing
Engineering	REST API integration, Git, Socket.IO, reusable components, state management

Experience

Software Development Engineer I

Sep 2025 – Present

Code Bucket Solutions Pvt. Ltd., Patna, India

- Built production React application workflows, reusable UI components, onboarding interfaces and analytics dashboards for a multi-tenant SaaS platform.
- Integrated REST APIs and implemented application state, server-data fetching and caching with Redux Toolkit and RTK Query; built filtering, reporting and data-export flows.
- Implemented role-based admin interfaces, OTP authentication workflows and a government portal's help/support module; integrated real-time messaging with Socket.IO.
- Built mentor slot-booking and exam test-series interfaces for Prepca using Next.js, TypeScript and RTK Query; collaborated with cross-functional teams using Git in Agile sprints.

Software Engineer Intern

Jul 2025 – Aug 2025

Code Bucket Solutions Pvt. Ltd., Patna, India

- Developed reusable React UI components and improved form workflows with centralized API error handling and schema validation; promoted to SDE I after the internship.

Frontend Developer Intern

Apr 2024 – May 2024

E Square System & Technologies Pvt. Ltd., Bhubaneswar, India

- Built responsive HTML/CSS/JavaScript interfaces, integrated REST APIs and refined application behavior through QA feedback.

Open Source Contributions

Go Tools – gopls Language Server

Merged Oct 16, 2026 | CL 843605

Go, go/types, code generation, regression testing

- Fixed the create-function quick fix generating invalid parameter names for composite types and Go keywords; replaced type-string slicing with type-aware name derivation and avoided reusing predeclared identifiers.
- Added marker regression tests covering generated names and type aliases; addressed maintainer review feedback. Change merged into golang.org/x/tools with passing LUCI TryBots.

Personal Engineering Projects

SeatRush – Concurrent Reservation API

🔗 Source

Go (Golang), Gin, HTTP APIs, mutexes, concurrency testing

- Built event, seat and reservation APIs with mutex-protected in-memory state. Added concurrent HTTP tests for competing reservations, validation and concurrent reads/writes, plus load-test tooling and an unsafe double-booking demonstration.

Goroutine Colony – Concurrency Visualizer

🔗 Source

React, TypeScript, Three.js, Zustand, Vite, WebSocket

- Implemented an interactive 3D visualizer with simulated channel, mutex, race and deadlock scenarios; integrated a live mode consuming instrumented SeatRush backend events over WebSocket.

SilkNest – Native macOS Application

🌐 Product

Swift, AppKit, SceneKit, CryptoKit

- Built desktop overlay interactions, keyboard shortcuts and native drag-and-drop workflows. Implemented encrypted persistent notes with AES-GCM and asynchronous atomic saves, plus motion/clipboard checks and release tooling.

Published npm Packages

🔗 CLI 🔗 React

TypeScript, React, terminal rendering

- Published **cli-status-border**, an animated terminal status bar, and **react-select-checkbox**, a reusable multi-select component with checkbox options and persistent selection.

Education

B.Tech in Computer Science and Engineering

2021 – 2025

Kalinga Institute of Industrial Technology, Bhubaneswar