SHREYANSH SARTHAK

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Summary

Full-stack software developer building LeadSquared's Portals, Landing Pages Pro, Widgets, and Custom Apps on **.NET 8**, **React**, and **AWS**. Experienced in system design, authentication hardening (**JWT**), infrastructure cost optimization, real-time data pipelines, distributed caching (**Redis**), and observability (**OpenTelemetry**).

Experience

Software Developer Feb 2026 – Present
LeadSquared *Bangalore*

- Worked across LeadSquared's **Portals**, **Landing Pages Pro**, **Widgets**, and **Custom Apps** products, contributing to system design and infrastructure cost optimization.
- Hardened **Portals** public authentication by replacing a static, non-rotatable value baked into the website build with **JWTs** that expire after 10 minutes, limiting the exposure window of a leaked credential.
- Conducted a self-initiated security audit, identifying 4 vulnerabilities across access control, payment flows, cryptography, and API data exposure, and filed detailed remediation reports.
- Built a real-time analytics pipeline tracking views, registrations, and conversion events across multiple web products; aggregated metrics are stored in **Redis** and surfaced on live dashboards.
- Diagnosed and fixed an **AWS Lambda**–CloudFront distribution limit causing publish failures in the page builder; audited CDN mapping across environments and patched a high-severity AWS SDK dependency vulnerability in the CI pipeline.
- Integrated **OpenTelemetry** structured logging across 3 **.NET 8** services via a custom bridge, centralizing log aggregation.

Software Engineering Intern July 2025 – Feb 2026
LeadSquared *Bangalore*

- Built an autoresponder feature end-to-end — a **React** configuration panel (template selection, HTML preview, test-send) in the form designer, and **ASP.NET Core** backend logic that triggers personalized confirmation emails on form submission.
- Fixed a critical bug where a payload ID mismatch merged unrelated form submissions, preventing data corruption.
- Built two data-enrichment features attaching device metadata (browser, OS, connection speed, referrer) and ad click and campaign IDs (Google, Facebook, Microsoft) to activity events, enabling ad attribution and behavioral analytics.
- Built dynamic **React** UI components for a drag-and-drop page designer, streamlining user configuration workflows.

Intern, Application Services Jan 2025 – July 2025
SABIC Research and Technology Pvt. Ltd. *Bangalore*

- Developed and enhanced 5+ modules of an Inventory Management System using **ASP.NET Core** and **Blazor**.
- Built RESTful APIs and integrated them with the front-end, streamlining workflows and reducing manual data entry.
- Designed scalable architecture using **Repository Pattern** and **Middleware**, improving long-term maintainability.

Projects

Watchnight – Online Social Deduction Game | Godot 4, GDScript, WebRTC, Cloudflare Workers Oct 2026

- Released a public playtest of a 3–8 player online game with **host-authoritative** networking over **WebRTC**.
- Built a **Cloudflare Workers** signaling service that connects players by 6-digit code without exposing IP addresses.

Antiquary – AI Video Generation Platform | Python, Flask, React, PostgreSQL, Docker Sep 2026

- Built a multi-user app with admin-gated signup and a human review desk for fact-checked AI videos, with a FIFO job queue that uses a database-level guard to allow one running job at a time.

Strata – Windows Development Environment | Rust, Tauri, TypeScript, React Sep 2026

- Released a desktop app combining tiling **ConPTY** terminals, rendered with xterm.js WebGL, with a Claude Code agent pane built on the Claude Agent SDK.
- Added shell integration using OSC 133 command marks and OSC 7 directory tracking, and restored layouts, terminal scrollback, and agent sessions on launch.

Technical Skills

Languages:	C#, JavaScript, TypeScript, Python, Rust, SQL, C/C++
Frameworks:	ASP.NET Core, React, Node.js, Blazor, Flask
Databases:	SQL Server, MySQL, PostgreSQL, Redis
Cloud:	AWS (S3, EC2, Lambda, CloudFront)
Tools:	Dapper, Entity Framework, OpenTelemetry, Docker, GitHub Actions, Git, Postman
Concepts:	REST APIs, JWT Authentication, System Design, Distributed Caching, Observability

Education

JSS Science and Technology University Aug 2021 – July 2025
B.E. in Information Science and Engineering *Mysuru*

St. Michael's High School April 2019 – March 2021
Class XII, CBSE (83%) *Patna*