

SAJAT PRASAD SHRESTHA

• SOFTWARE DEVELOPER • 5 years •

Experience

Noize - Software Developer | Jan 2026 - Present

Developed Prodesk suite a brand-agency project marketplace and management with contractors and staffs.

- Developed project management platform with white labelled subdomain controlled data access and theming
- Utilized serverless cloud functions, **Redis**, cloud run, firebase, fire store streams for real time data reactivity
- Integrated multiple manus projects to have centralized backend with CI/CD for cross-project integration
- Integrated **Stripe** and Wise for unsupported countries with floating balance for quicker payouts to contractors
- Implemented floor planner system utilizing Three.js, React, Trpc and **PostgreSQL**

Techjar - Software Developer | Jul 2023 - Jun 2025

Developed UK-based social applications "Appetite" and "Mifu" each with 10K+ downloads and 2K+ daily active users

- Used AWS Lambda for server-less architecture employing **Cloud-formation** for with Infrastructure as code(IaC).
- Utilized AWS services including API Gateway, Cloud watch, Event Bridge, SQS, SES, and Cognito.
- Engineered serverless geospatial marker clustering system with **Open-search**, **DynamoDB** and **Flutter**.
- Configured reverse proxy on AWS EC2 to host application stacks and secure communications with SSL.
- Implemented group chat and chatbot with Redis and **PostgreSQL**, handling high-volume, real-time messaging.
- Developed community features, including collab requests, likes, and comments with robust race condition handling.
- Migrated server-less **Node.js** project from **JavaScript** to **Typescript** enhancing code reliability and maintainability.
- Leveraged Mistral AI for vector embedding and LangChain for reliable natural language to JSON conversion.
- Used OpenAI for image transcription through gpt-4.1-nano's chat completions API
- Integrated AWS Rekognition to be triggered on S3 upload to categorize it by age and gender.
- Utilized Instagram's graph API and TikTok's REST APIs for content demographic analytics and influencer verification.
- Leveraged Cursor and Graphite into the development lifecycle to increase team efficiency by more than 60%.

Hilife - Software Developer | Jun 2021 - Jul 2023

Boost productivity for over 300+ sales employees by implementing micro-optimizations and tooling

- Architected availability point-based order-splitting algorithm, reducing fulfillment time for logistics by 30%.
- Re-engineered semi-structured data ingestion pipeline improving efficiency by up to 2 times.
- Launched ERP sales applications using **Django**, **MySQL**, and Flutter scaled for 10K active users.
- Collaborated on a role-based visualization dashboard with dynamic hierarchy for actionable insights.
- Implemented call-like notifications to declare urgency resulting in more than 4 seconds faster response times.
- Automated analytical processes by coding **Python** scripts reducing manual data preparation time.
- Stored and processed semi-structured data in **MongoDB** to gain valuable information and insights.

Independent Projects

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|------|---|
| 2025 | BE for psychologist management system with Stripe subscription payroll |
| 2024 | BE for white labeled student visa management system with version logging |
| 2023 | Contributed in BE for transactional system in Dot-net for maintaining balance |
| 2023 | Highly accessible FE application to manage delivery for aqua world |
| 2022 | Finance app, Auto categorizes transactions, predicts expenses, anonymous sign-in, and theming |
| 2022 | Hotel management system with food ordering and booking features |
| 2022 | School management system with events, routine, exams, calendar view |
| 2021 | Used unity & C# for routing game to deliver packages to multiple destinations using cars preventing collisions. |

Education

2025 - 2027 | Masters in Information and Communication Technology from University of Sunshine Coast

2021 | First Class Honors in Computer Science with Artificial Intelligence from University of Wolverhampton, UK

Certificates

Coursera

Algorithmic toolbox • [University of California San Diego](#)

Software security • [University of Maryland](#)

International cyber conflicts • [The University of New York](#)

Secure networked systems • [University of Colorado Systems](#)

Hacker Rank

2021 | [Gold level in Problem Solving Algorithms](#)

2020 | [Python](#)

Credly

2025 | [IT Specialist](#)