

ASHISH PRASAD BHATT

PRODUCT ENGINEER / SOFTWARE ENGINEER - DATA INTEGRATION PRODUCTS

+977 9865656288 | theashishbhatt@gmail.com | [GitHub](#) | [LinkedIn](#)
Kathmandu, Nepal

PROFILE

Product Engineer / Software Engineer building business-critical data integration products for an enterprise healthcare data platform, with ownership spanning ingestion, egress, monitoring and APIs. Brings production delivery in Python, AWS and Kubernetes, backed by five years of earlier work across product, marketing and entrepreneurship. Turns recurring customer-delivery and reliability problems into reusable systems, shared patterns and better ways of working across engineering teams.

CORE SKILLS

Data ingestion & integrations | Python | AWS | Kubernetes & Helm | Terraform | Airbyte | API & event-driven system design | Reliability & observability | Databricks | Product discovery & requirements

EXPERIENCE

Software Engineer | Product Engineering, XPORT | Abacus Insights

Jul 2023 - Present

XPORT owns the ingress, egress and monitoring capabilities that move customer data through Abacus's enterprise healthcare data platform completely, correctly and on time.

- Co-built the rewrite of a major file-ingestion service from AWS Lambda to Kubernetes, removing Lambda's 15-minute execution ceiling and enabling long-running, multi-cloud-capable processing of PGP/ZIP files hundreds of GB in size; the service supports workloads of up to 10 million objects in an eight-hour window.
- Introduced SendGrid by leading the proof of concept and security approval, then built a reusable alerting layer for customer environments and shipped configurable scheduled digests of received files.
- Managed self-hosted Airbyte deployments across customer environments, including upgrades and diagnosis and resolution of P0/P1 ingestion failures.
- Identified recurring patterns across XPORT services and authored the concept, design proposal and code signatures for a reusable job framework; a peer engineer built it out, and it is now used across selected services with broader adoption underway.
- Designed and shipped an event-based API for healthcare data; helped migrate three APIs to the next-generation platform, now in production, and contributed design feedback to a unified native API framework.
- Improved maintainability of inbound and outbound SFTP services by identifying 400+ line procedural blocks and working hands-on with the implementing engineer to decompose and refactor them.
- Prototyped an observability approach using Grafana and Prometheus that was later adopted and built out by the platform team; also mentored new engineers and supported the ramp-up of Abacus's Nepal engineering group.

Data Engineering Apprentice | Abacus Insights

Feb 2023 - Jul 2023

- Completed an intensive, hands-on transition into engineering across Python, SQL, AWS/Azure, Databricks, PySpark, Spark SQL, Snowflake, Airbyte and Terraform.

EARLIER PRODUCT, MARKETING & FOUNDER EXPERIENCE

Special Projects Team - Product & Marketing | Reduct Nepal / Reduct.video

Sep 2021 - Feb 2023

- Worked across product and go-to-market for Reduct.video, Borderer and browser-based video utilities, connecting customer and market research with product planning, workflow design, delivery, QA and launch content.
- Interviewed customers, gathered requirements and researched competitors, technical approaches and positioning; coordinated designers and engineers to turn findings into product workflows, landing pages and shipped tools.
- Planned and executed search and email marketing, shaped the content roadmap, and wrote or reviewed landing-page copy, blog content and product how-to guides.

Co-founder & Team Lead | MakerValley

2018 - 2021

- Co-founded and led a makerspace and innovation lab that helped students and entrepreneurs move from ideas to prototypes through digital fabrication, design thinking, events and hands-on support.
- Raised NPR 200,000 in sponsorship and managed logistics and participant onboarding for an assistive-technology hackathon involving 140+ engineers.
- Built partnerships and delivered design challenges and hackathons with organizations including Lufthansa Group, Impact Week, King's College Nepal and Utiopi; also helped facilitate workshops across all seven provinces for Kathmandu Mini Maker Faire.
- Led product experiments including 3D lamps and Precious Plastic Nepal, and produced the MakerStories mini-documentary series, which reached 25,000 views.

EDUCATION

Bachelor of Business Administration | King's College, Kathmandu

2023

SELECTED PRODUCT & DESIGN TRAINING

Demola Finland - Bringing Tourism Back (2020-21) | COHERE Social Entrepreneurship (2020) | Humanitarian Design Challenge - Assistive Technology (2020)