

Mainak Gachhui

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PRODUCT-FOCUSED SOFTWARE ENGINEER

Product-minded engineer transitioning into Product Management with 6+ years of experience building enterprise B2B products across AI, cloud, and IoT. Experience spans **customer discovery, product requirements, roadmap discussions, and end-to-end feature ownership.** Strong technical foundation enables effective prioritization and engineering collaboration. Seeking Product Manager roles for complex technical products where deep problem and user understanding drives meaningful outcomes.

EXPERIENCE

FlaskAI

2024 – Present

Senior Software Engineer

Bengaluru, KA, IN — Remote

- **Sole backend engineer** creating **Chempanion, an agentic AI platform for chemistry R&D.** My role spanned **technical architecture, infrastructure, and product development** including user research and feature definition.
- Conducted customer discovery interviews with chemists and CDMOs to identify workflow pain points and product opportunities
- **Contributed to company's strategic pivot** from Flask ELN to Chempanion
- **Owned features end-to-end** from discovery through delivery, defining technical requirements from high-level product goals, designing UX flows, and making scope and trade-off decisions
- **Flask ELN: Led Analytical Request module** from concept to implementation through user research identifying days of manual effort, requirement definition, UX design, and backend development. **Automated chemist and analyst workflows from 3 days to 8 hours**
- **Chempanion:** Researched and built core features including Sharepoint integration, AI-powered search, and file indexing systems

Oracle Cloud Infrastructure

2020 – 2020

Member of Technical Staff

San Francisco, CA, USA

- **Designed and implemented network isolation solution** using CoreDNS to improve security separation between multi-tenant Spark workloads, enhancing the service's enterprise readiness across all supported OCI regions
- Collaborated with product managers on feature planning and roadmap initiatives, providing technical feasibility assessment and effort estimates for customer-requested enhancements

Flutura

2016 – 2020

Senior Programmer

Bengaluru, KA IN & Houston, TX, USA

- **Led customer success and product expansion** for TFMC (global Oil & Gas leader) as **on-site liaison, gathering requirements, identifying new use cases** based on client operations, and **coordinating feature development** between stakeholders and engineering teams, resulting in **expanded platform adoption**
- **Worked with product team to prioritize feature roadmaps**, making trade-offs to balance customer needs with platform scalability
- Delivered features for Cerebra (AI-driven predictive maintenance platform) that **reduced unplanned downtime by 20% and enabled millions in projected cost savings** across Oil & Gas and heavy equipment customers
- Contributed to sales initiatives with Oil & Gas prospects through technical demos, proof-of-concepts, and technical consultation, helping communicate product value and technical feasibility to potential customers

EDUCATION

Manipal Institute of Technology

Master of Computer Applications (MCA)

Manipal, KA, IN

2014 – 2016

Scottish Church College

B.Sc Computer Science

Kolkata, WB, IN

2011 – 2014