SOUMYA **DEB**

ping@debs.io
LinkedIn / skdeb

DOMAINS

Cloud Infrastructure
Software Engineering
Security & Compliance
Growth & Leadership
Developer Relations

EXPERTISE

Mentoring & Delegating
Prioritizing & Optimizing
Talent Spotting & Probing
Strategic Planning & Forecasting
Balancing Subjective & Objective
Compartmentalizing & Sandboxing
Retrospecting & Course-correcting

SKILLS

Team Leadership
Public Speaking
Content Creation
Root Cause Analysis
Polyglot Programming
Effective Communication

HOBBIES

DIY Personal Electronics
Competitive Video Games
Renewable Energy Storage
Metaphysical System Building
Edge, Personal, & Server Compute
Cognitive & Personality Psychology
Learning & Sharing what's Learned

EDUCATION

Masters in Computers • WBUT 2010
Animation & VFX • Cambridge 2009
Bachelor in Physics • NBU 2007

EXPERIENCES

Fireflies.ai [Jan 2020 to Jan 2024]

Senior Tech Lead [Nov 2021 to Jan 2024]

- optimize & reduce total cloud infrastructure cost by 80% in 3 quarters
- uplift critical path success rate from ~90% (before) to 99.9997% (after)
- GDPR, SOC-2 type 2, HIPAA compliances; private cloud & storage offering
- conceptualize & architect the new AI/LLM features (providing 10x growth)
- research on GPU & TPU clouds, unblocking AI team to deliver LLM features
- host tech deep dives for engineering teams to cross pollinate ideas & efforts

Tech Lead [Jan 2021 to Oct 2021]

- complete transition to cloud-native infrastructure, with GitOps CICD pipelines
- initialize security team, start platform compliances, bug-bounty program etc.
- setup access control, incident management policy, escalation & automation
- mentor the leads & handoff the Infrastructure team as a self-sustainable team
- ensure global geo-distribution of engineers in teams for maximum availability

Infrastructure Lead [Apr 2020 to Dec 2024]

- design & prototype new infra to handle 100x volume upscale in 3 quarters
- write an efficient streaming pipeline to reduce transcription cost by 50%
- redesign bots as scale-out cloud-native jobs, massively increasing stability
- hire & mentor infrastructure team; setup monitoring, on-call rotations etc.

Senior Software Engineer [Jan 2020 to Mar 2021]

- optimize codecs to reduce all past and future media storage cost by 50%
- implement Microsoft Teams, BlueJeans etc. conference platform support
- predict incoming volume surge due to pandemic & initiate infra upgrade

DoSelect [Jun 2018 to Dec 2018]

Senior Software Engineer: full stack performance optimization & renovation

Red Hat [Aug 2012 to May 2018]

Software Engineer: SwCert DevTools, OpenShift.io developer platform

Technical Product Manager: Ceph, GlusterFS Unified SDS Manager

ENDEAVORS

Applait [2014 to 2018] Co-founder, Director & CEO

A pursuit of Technological Singularity through Unified Communications, Self-authoring Software & Hybrid Super Intelligence.

Mozilla [2011 to 2016] Developer, Speaker, Leader

Contributed to Mozilla codebase, onboarded new developers, gave hundreds of tech talks & ran tech workshops, kicked off & completed new projects, made policy changes, built the regional community & lead the global one.

NexVend [2012 to 2016] Co-founder, Director & CTO

A web technology consultation firm, offering modernization, migration & management of online presence of larger southeast asian enterprises.