

# SOUMYA DEB

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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

**dt DemTech.ai** [Since Mar 2024]

**Lead Engineer (Core Systems):** platform specification design, cloud infrastructure setup

**ff Fireflies.ai** [Jan 2020 to Jan 2024]

**Senior Tech Lead** [Nov 2021 to Jan 2024]

- reduce cloud cost by 80% while also uplifting SLI from ~90% to 99.9997%
- GDPR, SOC-2 type 2, HIPAA compliances; private cloud & storage offering
- architect AI/LLM features, research GPU/TPU clouds (providing 10x growth)
- 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
- setup security team, platform compliances, access control & incident management
- discover & mentor leads to handoff Infrastructure team as a self-sustainable team
- ensure global geo-distribution of engineers in each team 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]

- reduce cumulative storage cost by 50%; implement MS Teams, BlueJeans support
- predict incoming usage surge due to pandemic; propose & initiate infra upgrade

**✓ DoSelect** [Jun 2018 to Dec 2018]

**Senior Software Engineer:** full stack performance optimization & renovation

**rh Red Hat** [Aug 2012 to May 2018]

**Software Engineer:** SwCert DevTools, OpenShift.io developer platform

**Technical Product Manager:** Ceph, GlusterFS Unified SDS Manager

## ENDEAVORS

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

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

**m 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.

**nv 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.