

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]

- further reduce cloud cost by 80% while also uplifting SLI from ~90% to **99.9997%**
- GDPR, SOC-2 type 2, HIPAA compliances; private cloud & private storage offerings
- run research team: from org-brains to TPU-clouds; also drive team cross-pollination

Tech Lead [Jan 2021 to Oct 2021]

- build new model team; spot & **mentor leads** for the team; hand it off; and repeat...
- finish transition to cloud-native infrastructure, complete with GitOps CI/CD pipelines
- setup security team, platform compliances, access control & incident management

Infrastructure Lead [Apr 2020 to Dec 2020]

- hire & lead geo-distributed infra team; setup priorities, observability, **3x8x7** on-call
- design, pitch & prototype new infra to handle 100x volume upscale in 3 quarters
- write efficient streaming pipeline to reduce the key cost (transcription) by 50%

Senior Software Engineer [Jan 2020 to Mar 2021]

- **predict** incoming usage surge due to pandemic; propose & initiate infra upgrade
- reduce storage cost by 50%; redesign main monolith as scale-out cloud-native jobs

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

Previously, **Software Engineer** at MQuotient (2011-2012), **Principal Webmaster** at Olyvius (2011), **Software Engineer** at Nexshore (2010-2011), and **Junior Writer** at ThinkDigit (2010).

ENDEAVORS

BreakerSpace [since 2024] Founder & Director

Empower the next generation of Makers; with access, equipment, inspiration, opportunity, and understanding.

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

Pursue Technological Singularity through Unified Communications, Self-authoring Software & Hybrid Super Intelligence.

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.

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 & led the global one.