DR. KUNDAN SINGH

TECHNOLOGY LEADER, ARCHITECT, ENGINEER

WORK EXPERIENCE (20+ YRS)

Intermedia
PRINCIPAL ARCHITECT (WEBRTC)   2019–NOW

Cloud video conference: high quality, high performance, scalable, robust. Quality, diagnosis. New labs initiative with 10+ projects in emerging areas.

Koopid.io
FOUNDING ENGINEER, LEAD ARCHITECT   2016–2019

Stealth mode startup. B2C. Web + mobile client, workflow designer, chat + voice/video interaction, bots, widgets. Cloud. Cross platform.

Avaya Labs
SENIOR RESEARCH SCIENTIST   2012–2016

Collaboration, cloud, web, real-time, video, mobile, enterprise, security. 15 software projects. 10 systems papers. 6 patents, 3 pending.

Twilio, Tokbox, Adobe, Columbia, Motorola, ...
Various software engineering/research positions   BEFORE 2012

VoIP, voice, video, communication, Flash, web, E911, cloud, peer-to-peer, streaming, mobile, video conference, videomail, scalable and robust systems.

EDUCATION

Columbia University, New York
PhD, MS (Computer Science). GPA 4/4. Best TA award.   2006

BITS, Pilani, India
B.E. (Computer Science). GPA 10/10. University gold medalist. Honors.   1997

Why hire me?

I have a unique mix of skills – to create big picture as well as dive deep with hands-on coding; to understand a vision and to plan and efficiently execute in that direction; to provide critical feedback to avoid a technical bubble; to think and work as a user experience designer, software architect, developer as well as operations person; to work directly with executives as well as in a small development team.

I have a very strong academic, research and software background – 25+ refereed publications, 11 patents + 4 pending, 60+ software projects, numerous professional talks, 35+ mentored projects, grade A or A+ in every subject in undergrad and graduate studies, many open source project contributions, fluency in several popular programming languages, and have done system programming as well as application and scripting.

I have worked in diverse environments – startups as well as established companies, small and large teams, agile and waterfall models, as individual contributor and technical leader as well as consultant. I have rock solid domain expertise in web, cloud, video, real-time communication and mobile systems. I am a doer, but I love to decide what I do. I like the flexibility and freedom in my work. And my work often exhibits flexibility and openness.

My web page http://kundansingh.com has more details including my projects, past experience, and publications. Please do not hesitate to ask if you need something...

Sincerely,
Kundan Singh

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San Francisco Bay Area

http://kundansingh.com
http://github.com/theintencity
http://blog.kundansingh.com
https://www.linkedin.com/in/kundan10/
http://theintencity.com/demo.html
http://myprojectguide.kundansingh.com

SUMMARY

Exceptional technology leader and software engineer. System building, rapid prototyping and domain expertise. Self-motivated. Hands-on.

STRENGTHS

Drive projects from early ideas to completion including implementation, cloud deployments, operations and documentation.

Quickly create robust software systems and proof-of-concept implementations for even complex ideas and inventions.

Provide technical guidance on emerging areas including critical and objective evaluation of projects.

In depth knowledge of audio and video communication technologies for Internet, web, mobile and cloud. SIP, WebRTC.

LOOKING FOR...

The next career upgrade – technology executive. Solve difficult problems in software systems. Advance my expertise to more emerging areas. More importantly, apply my skills to touch more lives.

Updated: Oct 2020