

Atul Pratap Singh

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Looking for an exciting and challenging career as an Engineering Leader for the next-generation Technology Products/Solutions

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EXPERIENCE



DBS Bank, Singapore — Solution Architect

NOVEMBER 2021 - PRESENT

Lead Architect to define the future state Cloud Native platform architecture for Digital banking. Drive the tech roadmap as per business requirements & alignment with broader T&O architectural direction.



Liberty Wireless, Singapore — Technical Architect

AUGUST 2018 - OCTOBER 2021

Designed & developed the core platforms like Reward as Service, Notification Engine, Billing as a Service, eWallet, Policy and Sphere from scratch by following the Design Principles, Microservice architecture and standards to have future ready performance, capacity and scalability.



Walmart Labs, Bangalore — Sr Tech Lead

OCTOBER 2016 - JULY 2018

Designed the "Take Action" platform which allows widget-based personalized pages and can be configured at market/store/user level. Designed a caching layer framework for this. Led the Holiday Readiness for Walmart US holiday sales 2017 from Bangalore. Designed and implemented Centralized data purge and retention strategy for transactional data.



Polycom Technologies, Bangalore — Sr Staff Engineer

APRIL 2013 - OCTOBER 2016

Designed & implemented SSO based on Kerberos & SAML for the product using spring-security. Integrating the RP Web Suite with Salesforce for a SAML based SSO authentication.



YAHOO SDC, Bangalore — Tech Lead

SEPTEMBER 2011 - MARCH 2013

Onboarding KR, HK and TW finance sites on global Y! Finance code base. Y! Finance features like Schema Design, Autocomplete Indexing, Symbol Lookup, hyperdrive, chartapi, Yahoo Traffic Server.



ORACLE SDC, Bangalore — Sr Member Tech Staff

OCTOBER 2010 - AUGUST 2010



Novell SDC, Bangalore — Sr Software Engineer

FEBRUARY 2007 - OCTOBER 2010

CAREER HIGHLIGHTS

-**18+Y of exp** in building Internet scale Systems and EA design

-**10+Y of exp** in leading and mentoring high-caliber teams

-**Domain Exposure:** eCommerce, FinTech/Banking, Reward, Telco, UCaaS, Identity Management, SPNEGO & SAML based SSO, SMB, LDAP, Kerberos, DS Tech, Schema Design

-**Tech Stack & Platforms:** Java EE, Node.js, Golang, C/C++, Scripting, Spring Framework, JPA, Eclipse-Link, Hazelcast/Redis cache, Docker, Kubernetes, Tomcat, MySQL, MongoDB, Kafka, RMQ, Oracle ASO, Active Directory, eDirectory, Novell KDC, MIT KDC, SAMBA and Novell DNS, Yahoo Hyperdrive Linux, OES, Wireshark

AWARDS

-**SPOT Award, Star Awards and Breakthrough Award** from the Tech Architect

-**Feather in the Cap** for working on SSO - Polycorn

-**Work an Extra Mile** for delivering the SAML integration on time - Polycorn

-**Excellent Contribution** for leading the tech team Holiday Readiness - Walmart

EDUCATION

[IIIT, Bangalore](#) — M Tech

JULY 2005 - JULY 2007

Information Technology (CGPA: 2.91/4)

[MMMEC, Gorakhpur](#) — B Tech

JULY 2000 - JULY 2004

Elec & Comm Engineering (Grade: 70%)

RESEARCH WORK

[Ultra-Low Bit Rate Speech Coder](#) - Using the LPC10 based approach, I started having: VAD, VUV decision and Fo values in the form of a text file, later I replaced this with the analysis part. Then I focused on various forms of matrix quantization of LSP and implemented the optimized methods related to MELP from a list of IEEE papers. Tools: Matlab-7.0, PRAAT

PATENT WORK

[G.N.S. Prasanna, Ritesh Kumar, Mayank Raj, Atul Pratap Singh, K.R. Sarma, G.S.S. Murthy et. al. "Broadband HF/VHF/UHF Communication on Power Lines". PCT/IN2006/000223, Jan. 2007](#)

LANGUAGES

ENGLISH, HINDI