

# 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 designs

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

-**Domain Exposure:** eCommerce, FinTech/Banking, IN UPI, SG NETS, Reward, UCaaS, IDM, IAM, SAML, ADFS, SSO, SMB, LDAP, Kerberos, System Design, APIGW, Resiliency, Observability, Rate Limit, Notification Engine

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

## AWARDS

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

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

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

-**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



