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(Portfolio)

Top Skills

Artificial Intelligence (AI)

Salesforce

Business Analytics

Languages

English (Full Professional)

French (Elementary)

Hindi (Native or Bilingual)

Certifications

Sun Certified Java Professional
[SCJP]

Terraform - Getting Started

Snowflake Cloud Data Platform:
Getting Started

Introduction to Big Data with Apache
Spark

Honors-Awards

Cisco Appreciation Program Awards

Hall of Fame Award

Publications

Empowering Election Systems via IT

Ashish K Agarwal

Engineering Leader | Data Engineering | SnowFlake | AI | Analytics |
AWS | Java | Cloud Security
Pune, Maharashtra, India

Summary

Passionate Engineering Leader - with proven technical-leadership
skills and demonstrated rich experiences in putting together effective
strategy and delivery of inspirational end-to-end solutions through
innovative software services/platforms. Proven performer with a wide
breadth of operational skills and ability to build and lead great teams
that accomplish exceptional results.

Seasoned digital leader with over two decades of experience
working with Large/Medium scale and startup companies. Built
strong engineering teams from ground-up, and led teams to adapt
to Agile/Lean software engineering mindset, define and guide
organisation/teams go through DevOps transformation and drive
efficiencies in software development. Partnered with Product
Owners/Product Managers to define product roadmap, prioritisation
and development strategy in an agile environment.
Developed and grew talent through effective mentoring, coaching,
succession planning and retention for key talent

FOCUS AREAS and LEADERSHIP
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● Building and scaling strong Product Engineering teams
● Planning [Value Streams] and Agile development [Scrum, Kanban]
● Knowledge of Artificial Intelligence, Deep Learning, Prompt
Engineering and Vector DB
● Scalable distributed systems [Caching, GCP Cloud SaaS, CDN,
Sharding, Load balancers]
● Programming Languages [Java, Go, Python]
● Data Engineering [Kafka, Snowflake, Metabase, Databricks,
StitchData, Workato]
● Architecture [SOA, Micro Services, CQRS, Event Driven
Architectures]

- DevSecOps [Azure DevOps(VSTS), Bamboo, Kubernetes, Docker, SAST/DAST (Whitesource, Veracode, Synk), Service Mesh (Istio), Observability, Monitoring]
- Lean UX [MVP, Design Thinking, Learning Loop, Fail Fast]
- Engineering Metrics [Static/Dynamic Code Analysis, Code Coverage, Security, etc.]
- People Management [Coaching, Career Progression, Feedback, Appraisal]
- Frameworks [Spring, Struts, Hibernate]
- Development Practices [Feature Toggle, TDD, Blue-Green/Rolling/ Canary deployments, Mocking, ADRs]

INDUSTRIES
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- Marketing Technology - Customer Data Platform [CDP]
- Digital Advertising [Digital Marketing/Search Engine Marketing]
- Oil & Gas [Production and Business Systems]
- Telecom [VoIP, Broadband, Network-OSS]
- Learning Management System
- Subscription

CERTIFICATIONS
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- Project Management Professional [PMP]
- Salesforce.com Cloud Developer
- Sun Java Certification SCJP

Contact me : toashishagarwal[at]gmail[dot]com
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Experience

Guidepoint
Senior Director
May 2024 - Present (10 months)
Pune, Maharashtra, India

Acquia
Senior Engineering Leader
March 2021 - May 2024 (3 years 3 months)

Managing 2 teams of ~24 people, responsible for their performance evaluation & career progression. Helping multiple squads deliver Customer Data Platform [CDP] product features by leading technical conversations from architecture and technology perspective. Responsible for the operational excellence of the software systems and ensuring they meet the defined SLOs. Also leading technical cross org initiatives like DevSecOps.

- Built scalable R&D team of CDP in India from ground zero with well defined missions
- Lead and scaled the team from 3 to 24+ engineers covering data ingestion pipeline, connectors and analytics team for Customer Data Platform (CDP)
- Managed a group of six cross-functional agile teams of 22+ people including Engineering Managers, Product Managers, Site Reliability Engineers (SRE), Developers, DevOps engineers and UX engineers
- Evaluated 3rd party vendors for ingesting   customer events from multiple sources like FTP/S3/GCS into SnowFlake datawarehouse (iPaaS)
- Designed Health and Monitoring dashboards in Sumologic
- Uncovered technical bottlenecks in Spark Realtime and Batch pipelines using Unravel
- Defined and implemented a process of handling production support incidents through PagerDuty and integrated it to JIRA and Slack using Terraform scripts

Skills:
Scalable Web Applications · Back-End Web Development · Strategic Thinking · Stakeholder Management · Communication · Building Key Relationships · Software Architecture · Hands-on Technical Leadership
· Java · SnowFlake · Apache Airflow · Oozie · Looker · StitchData · PagerDuty · Unravel · Kubernetes · Microservices · AWS · GCP · Go · Distributed Systems

Schlumberger
Software Project Manager
May 2018 - March 2021 (2 years 11 months)
Pune Area, India

Worked on a project that ingests time series production data from OnPrem solutions to Google Cloud. This data in then made available to several applications to run workflows or perform calculations or view through analytics. The project supports connectivity to several data sources like ODBC, CSV, PI, Avocet, etc

Engineering

- Built unit test coverage of the project to 90%
- Prepared SONAR dashboard to track project quality metrics and resolve high vulnerabilities
- Prepared CD/CI pipelines in VSTS with build policies and alerts
- Prepare and maintain Architecture Decision Records [ADR]
- Released new features through feature flagging using Split.IO
- Agile Scrum and Lean development
- Attended a workshop on Event Sourcing and Domain Driven Design [DDD]
- Prepare and build SLI/SLO in Google StackDriver
- Integrate Veracode [SAST] and Whitesource [Open source / third party library] scans into VSTS build pipeline
- Security scans and publish results [Veracode, Whitesource, IBM AppScan] to PowerBI
- Developed a Mobile App using PowerApps to Refer & Track employee referrals
- Threat modelling tools like SDElements

Management

- Managed a team of 15 engineers for a data analytics project
- Present project deliveries and metrics to Center Head, VP Engineering, VP Technology and CTO
- Hiring/Recruitment and Retention
- Prepare and present project plan and demos to stakeholders
- Build/negotiate features with Product Champion for workstreams in a Season-Based Governance model of software delivery
-Cloud Security Process and Operational Process

Skills-

Scalable Web Applications · Back-End Web Development · Strategic Thinking · Stakeholder Management · Communication · Apigee API Management tool · GCP · Google Pub/Sub, Cloud Storage, BigQuery, StackDriver · Go · Java · Angular · Kubernetes · Helm Charts · Cloud Security Scanning tools [Veracode, Whitesource, IBM AppScan] · Disaster Recovery · Knowledge of Istio, Terraform & Kong

AppDirect
Engineering Manager
January 2017 - January 2018 (1 year 1 month)
Pune Area, India

- Managed a team of 14 engineers for the billing module in AppDirect subscription product which is developed in Spring, Wicket and AWS
- Led the automation of the dev machine configuration using Ansible infrastructure automation reducing the ramp-up time 10x
- Initiated the practise of Agile Scrum methodology

PTC
Software Development Manager
May 2016 - January 2017 (9 months)
Pune Area, India

- Managed a team of 42 engineers including devops, QA, coders and Product Managers for a learning management product
- Improved the code coverage of the application from 56% to 94%
- Initiated the practice of writing e2e tests and brought it to a coverage of 67%
- Implemented session management using external Memcached

ADP Dealer Services
Sr Consultant
June 2012 - January 2016 (3 years 8 months)
Pune Area, India

- Design and development of Digital Advertising Platform for the AdTech industry
- Manage a team of 4 engineers

AIT Global Inc.
Programmer Analyst
June 2011 - January 2012 (8 months)
New Jersey

Design and Development of solutions for the Benefits and Retirements industry

Cisco Systems
Technical Lead
August 2007 - June 2011 (3 years 11 months)
Pune Area, India and Bangalore India

Design and Development of Unified Communications-based tools for customers' VoIP solutions deployment

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Education

Savitribai Phule Pune University
BE, IT (Top 5%) · (1999 - 2003)

Nowrosjee Wadia College
10+2, Science · (1997 - 1999)

ENNS

Ramu's