

# SPHOORTI PATIL

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## Professional Summary

Engineering leader with over 12 years and an excellent track record of building, architecting, and delivering highly reliable and scalable systems/software across a variety of applications and technologies, such as internet/enterprise applications, e-commerce, financial systems, etc. Currently working as Sr. Software Development Manager at Best Buy - Digital Advertising in Seattle. I'm looking for my next opportunity to make a change by building great teams and driving Technological Innovation.

## Skills

- More than 7 years of engineering management experience in software development/maintenance, working with stakeholders across geographies to build product vision and roadmap
- Strong experience in recruiting, strategic planning, performance and project management, including mentoring / coaching other engineers and managers
- Collaboration with Product Management and Program management for Customer success and Feature release
- SDLC: Agile methodology, Scrum framework (Scrum Master & Product Owner roles)
- Product development with Cloud computing and Distributed systems. End-to-end system monitoring and DevOps

## Work History

### Sr, Engineering Manager

Best Buy - Digital Advertising

May 2019 - Current

SEATTLE, Washington

- Hired and developed self-organizing team of 10+ engineers and reporting manager to build end-to-end solution for Best Buy's Ad platform involving intelligent Ad placement to monitoring and collecting data for generating Attribution reports to Advertisers and Vendors
- Collaborated with product managers, technical program managers, and partner teams necessitating comfort-level with ambiguity and desire to create, iterate, and improve Ad products

- Led QA and Dev efforts in identifying low-quality ads in terms of performance and negative keyword testing to improve quality, consistency, maintainability, performance, and scalability of Ad placements on different platform types
- Drove DevOps culture by directing team towards monitoring and alerting for major deliverables end-to-end
- Worked on delivering Sponsored products, Display Ads, implementing IAB standards, CCPA, Tag Management and performance, API access to Ad Attribution data, Data collection, and elimination of data redundancy leading to org level data democratization
- Led UX and development of various Ad products (viz., Display Ads, Sponsored listing, and Sponsored Carousels) on .com and Mobile App platform driving Ad revenue
- Evaluated existing procedures and made proactive adjustments to meet changing demands

**Technical Stack:** Node.js, React.js, ReactNative, iOS, Android, Kafka, ActiveMQ, BigQuery, Docker, Openshift

## Software Development Manager

May 2017 - May 2019

Amazon Web Services Inc.

Seattle, WA - Washington

- Led multiple technical teams, with total strength of 10 including 1 Software Development Manager, within Amazon Web Services (AWS) building large scale enterprise SaaS product (highly confidential), potentially disrupting multi-billion dollar industry
- Layed out technical direction for building highly customer focused and large-scale software components, overseeing agile software development process, working with various stakeholders (PM, TPM, UX, Business / Operations Leads) on requirements / design / integration of software components, addressing customer issues / escalations and last but not least, providing production support to existing systems
- Led product, technical architecture, strategic and executive leadership planning decision for group, including customer and partner engagements that fuel product adoption and help build long term strategy for service
- Led and Managed Product development for AWS Insights which is authoritative provider of cost and usage data to AWS customers and partners through suite of product, through which customers can access, understand, control and optimize usage for cost efficiency
- Trained and managed team of 10 developers and discussed issues in order to provide resolution and utilize best practices
- Led process improvement initiative for financial data collection, automated data management system based on user requirements, which helped to reduce technology support time by 20 hours per week
- Designed training programs for new hires, by incorporating feedback from senior management, and reduced on boarding time by 2 days
- Developing distributed systems for generating Billing reports on Monthly, Daily and Hourly

cadence for customers using AWS products like EC2, S3, etc

- Supported multiple engineering teams in AWS Commerce Platform for successful execution of Monthly Bill Run of Zillions of Billing line items around 1.4 trillion line items to be processed for estimated billing for every 8 hr

**Technical Stack:** EC2, S3, RDS, Dynamo DB, SNS, SQS, EMR, Kinesis, SWF, Rest API, Programming language: Java, Scala, Python Architecture: Distributed systems, Machine Learning, Real time processing.

### **Lead Engineering Manager**

Dec 2014 - Dec 2016

Naehas Inc.

Palo Alto, California

- Built scrum teams within geographies by guiding and supporting uptake of agile principles. Managed remote teams of Dev and QA engineers
- Managed hiring and staffing issues for all teams including working with recruiting team and engaging with consultants/contractors where necessary
- Increased agility by continuing thrust on agile adoption and being change champion
- Coordinated requirement development activities between client and offshore team resulting in on-time delivery and higher customer satisfaction
- Built Dashboards using Twitter Bootstrap and NoSQL (MongoDB) for Customized Test Report and Test Matrix. Built auto detection algorithms for detecting differences in data generation in different versions of Software to identify faulty/buggy code check-ins and generated real time Performance Deviation Reports
- Been responsible for managing complete product development from requirement gathering to E2E test Automation
- Built Security test Suite and successfully certificated systems for Security Audit and implemented Processes and Systems, which eventually helped in SSAE16 Audits and Certification
- Worked closely with cross-functional teams like Product Management, Marketing and Professional Services

**Technical Stack:** MySQL, MongoDB, Jenkins, Selenium, Robotium, Spring, Hibernate, Rest API, TestNG, JMeter (Load Testing) Programming Language: Java 7, Shell scripting, Architecture: Multitier, MVC

### **Lead Systems Consultant Software Engineer**

Dec 2013 - Dec 2014

Intel

Santa Clara, CA

- Architected test automation framework for product which utilizes Scala, Play framework, Akka, sbt, ScalaTest, Amazon EC2, S3, and Specs2
- Effectively planned, prioritized and executed several key initiatives on-time and on-budget
- Played instrumental role in adoption of TDD and agile practices that reduced defect counts by

15%

- Successfully transferred knowledge to in-house teams from external teams that resulted in significant cost reduction
- Reduced system complexity by consolidating several systems resulting in significant cost reduction
- Proactively monitored production logs and fixed several defects thus contributing to higher site availability
- Designed Framework to automate REST API testing
- Provided complete end to end solution approach in term of Test Automation and Quality Standards
- Designed and Architected robust and scalable framework using frameworks like, Play, Spring, Hibernate
- Developed Android mobile testing and automation framework using Java SDK, JUnit and Robotium

**Technical Stack:** Junit, Specs2, Robotium, ScalaTest, Akka, Play, sbt, EC2 SPOT, S3, TDD

Programming Language: Java, Scala, Architecture: Distributed Systems, Video on Demand and Transcoding, CDN

### **Software Development Engineer III**

Dec 2010 - Aug 2013

Sabre Airline Solutions

Bangalore, Karnataka

- Developed backend payment systems for post checkout process for online travel booking products like Travelocity.com and Lastminute.com
- Led test strategy and design for payment compliance and fraud detection methods for implementing End-to-End payment methodology. This robust architecture led to detection payment failures before booking, leading to move conversion rates
- Designed and Architected Worked involved Testing Automation using QTP, JMeter and Selenium web driver.

Worked on Scala and Play Framework, to build integrated system and UI to report Test planning, Test Preparation and Test Estimation

- Designed Mobile App testing and ETL Database Testing frameworks with continuous deployment. Incrementally increased code coverage to 90% over period of ~2.5 months

**Technical Stack:** Struts, Sprint, Hibernate, Rest API, Play FW, QTP, JMeter, Selenium Programming languages: Java, Scala, Shell Scripting, React.js, Node.js Architecture: Asynchronous Multi-tier

### **Sr. Software Engineer**

Aug 2008 - Sep 2010

Sungard

Bangalore, Karnataka

- Developed multi-tiered internet application for wealth management application like Online Checking and Savings, Business Checking, Business Money Market

- Developed Java based services which convert business logic rules to Mainframe JCL languages to reduce dependency on Mainframe systems. Exposed Rest API service for Customer support to write JCL queries in natural language
- Utilized Design Patterns for SOA Architecture and Enterprise Application development
- Lead Unit testing (JUnit) activities for various modules, increasing total line coverage to optimal percentage for continuous deployment
- Worked on integration testing (Java), on Continuous Integration environment (Hudson)

**Technical Stack:** Java/J2EE, NetBeans, JSP, Spring, Hibernate, Oracle, Mainframe, MySQL,  
Programming Languages: Java /J@EE, Architecture: MVC

## Education

<b>Master of Science: Computer Science</b>	2014
Birla Institute Of Technology & Science (BITS)	Pilani, India
<b>Certificate Course: Product Management</b>	2014
Stanford University	Stanford, CA