Ganesh Pagade

Highlights

Software Architect
14+ years of experience in Architecture, Design and Development of software products and services using various software tools, languages, frameworks and methodologies.

Technical Lead
6+ years of experience in leading the software development and innovation efforts within the product. Have applied for patent. Have led, trained and mentored engineering teams of size 8–10 people.

Agile Methods
Certified Scrum Master with 4+ years of experience as a Scrum Master. Experience in applying Agile Methods like Scrum and XP in multiple product release cycles since last 7 years.

Fellowship
Winner of the fellowship from Jopasana Systems and Software Pvt. Ltd. offered to students ranking in ISSC, University of Pune, Entrance Exam – 2002.

Skills

Languages
Fluent in Java SE 8/9. Proficient in C and C++ (including C++11/14). Familiar with Python and LISP (Scheme). Interested in Go and Kotlin.

Web
Spring, Spring MVC, Spring Boot, Spring Cloud, Java EE, Hibernate. Tomcat, Jetty. Familiar with JavaScript, CSS, HTML and Django.

Design & Architecture
Microservice, Event-Driven and SOA Architectures, Domain-Driven Design, Reactive, Architecting on AWS, Containers, Distributed Systems, RESTful Services, Twelve-Factor App, SOLID Principles.

Cloud & Virtualization
Amazon AWS and related services, Docker, Docker Swarm, Kubernetes, Vagrant, VMware vSphere, Microsoft Hyper-V/SCVMM.

Tools & Libraries
RxJava, Apache Kafka, RabbitMQ, Redis, Ehcache, Apache Camel, Splunk, AppDynamics, Apache Zookeeper, Git, GitHub, Ansible, Jenkins, Spinnaker, Maven.

Databases
Couchbase, MySQL, Vertica, Oracle, SQLite.

Education

2009 – 2012 **Executive MBA**, SYMBIOSIS INTERNATIONAL UNIVERSITY, Pune, 79.55%.
Major Courses: Project Management, Human Resource Management, Organizational Behavior.

2002 – 2004 **Masters in Computer Science**, UNIVERSITY OF PUNE, Pune, 72.13%.
Major Courses: Programming Languages and Principles, Operating Systems, Scientific Visualization.

Training and Certifications

Oct 2017 **Architecting on AWS** – Completed 3 day training along with hands-on labs. Gained understanding of various AWS services and architecting cloud systems using them.

Apr 2016 **Machine Learning** – Completed Stanford University's Machine Learning course on Coursera with certification. Gained understanding of Machine Learning algorithms and its implementation.

Jan 2014 **Certified Scrum Master (CSM)** – Completed 2 day training and cleared the certification exam.

Other Contributions

Talks
Introduction to Docker (Mar 2017, HPE). **Introduction to Boost** (Oct 2014, C++ Meetup). **Performance & Scalability** (Jan 2013, Non-Functional Requirements Talk Series).

Writing
Officially credited freelance technical blog writer on **Baeldung**, which publishes in-depth articles and tutorials on the Java & Spring ecosystem. Also, maintain a personal **blog** on technology.

Side Projects
Active contributor on **GitHub** and **Stackoverflow**. Sample projects:
Apache Camel – Contributor to Open Source Apache Camel project, adding enhancements.
imdb250Flip – Twitter Bot in Python that detects and tweets change in IMDb Top 250 movie list.

Visiting Faculty
Computer Science Courses – 8+ years of experience teaching courses like C++, OS etc at various institutes. Taught & evaluated full-term Scientific Visualization course at ISSC, University of Pune.

Experience

Aug 2017
Present

SDE III, TESCO PLC, Bangalore.
- Module: Transport Management System (TMS) - Manage the last mile and secondary transport operations of Tesco helping home delivery of orders to the customer.
- As Architect for the new secondary leg transportation system to deliver the goods from distribution center to stores, responsible for design, architecture and technology decisions.
- Work closely with the Product Owner and end users to form the Ubiquitous Language and identify the Bounded Contexts for Microservice Architecture.
- Maintain and enhance the current last mile delivery systems to sustain the increasing customer demand.
- Tools: Java 8, Spring Boot, Apache Kafka, Apache Camel, AWS services, Jetty, Couchbase, Splunk, Spinnaker.

Dec 2015
Aug 2017

Software Expert, HEWLETT PACKARD ENTERPRISE, Bangalore.
- Product: Cloud Optimizer - Enterprise product for capacity analysis and forecasting of data center resources.
- As Architect of Cloud Optimizer product, responsible for design, architecture and technology decisions. Also worked closely with the Product Owner on future road map of the product.
- Led the team in design and development of new features and enhancements. Conduct design and code reviews. Represent the product in integration with other HPE products and solutions.
- Key Achievements – Fixed critical design issue by introducing Kafka based communication. Split the monolithic product into various reusable microservices and containerize them. Filed patent application.
- Tools: Java 7, C++, Python, Apache Kafka, Apache Zookeeper, Docker, Kubernetes, Tomcat 7.0, Vertica.

Mar 2015
Dec 2015

Technical Lead, MYNTRA DESIGNS, Bangalore.
- Module: Warehouse Management System (WMS) - Manage warehouse and inventory operations for Myntra.
- As part of WMS team, involved in automating various warehouse workflows and building, enhancing and scaling the system to prepare for upcoming business challenges and high revenue days.
- Led the team in design and development of key warehouse workflows. Worked closely with the Product Manager, QA and Warehouse Managers to ensure successful feature launch.
- Key Achievements – Led the Myntra-Flipkart integration effort enabling to sell Myntra inventory through Flipkart. Fixed critical scale issue which caused issues during high volume sale.
- Tools: Java EE 7, Spring 4.0, Tomcat 7.0, ExtJS, Git, Bitbucket, RabbitMQ, Redis, Jenkins, MySQL.

May 2009
Mar 2015

Sr. Product Developer, BMC SOFTWARE, Pune.
- Product: BladeLogic Server Automation - Enterprise product for data center management and automation.
- As part of Cloud and Virtualization Management team, implemented features for management of virtualized data center and on-demand deployment of virtual assets using various virtualization platforms.
- Implemented support for platforms like VMware vSphere, Hyper-V SCVMM, RHEV, IBM LPAR, Citrix XenServer and Solaris Zones using SDKs and libraries of the respective platforms.
- Led the design, development and maintenance effort of the team. Act as primary code reviewer and day-to-day technical decision maker for the team. Also acted as a Scrum Master for the team.
- Key Achievements – Received Above & Beyond Award for fixing critical memory leaks in VMware module and writing high quality code for RHEV module. Received promotions for 3 consecutive years (2010/2011/2012).
- Tools: Visual Studio 2005, gcc/g++, Java SE 6/7, Eclipse, Perforce, JUnit, TeamCity, Code Collaborator.

Aug 2007
Apr 2009

Technical Lead, SPRING COMPUTING TECHNOLOGIES, Pune.
- As a founding engineer of the startup, led multiple project initiations and offshore executions.
- Represented the company in client visit to US for requirement analysis, scope definition and POC.
- Successfully demonstrated the technical capabilities to the clients and brought projects to India.
- Tools: gcc/g++, SQLite 3.6, BlackBerry OS 4.2, JDE 4.2.

Jan 2006
Aug 2007

Engineer II, PTC SOFTWARE, Pune.
- Product: Pro/ENGINEER Wildfire
- As part of Detailing team, implemented new features, bug-fixes and enhancements in the product.
- Received promotion in 2007. Consistently high ratings in appraisals.
- Tools: Sun C 5.7 compiler, Solaris 10.

Jul 2004
Dec 2005

Member of Technical Staff, PERSISTENT SYSTEMS, Pune.
- Product: Intel Compiler
- Involved in building and configuration tuning for performance sensitive applications with Intel C/C++ and FORTRAN compilers using various optimization options.
- Tools: Intel C/C++ and FORTRAN compiler, Linux.