

KIRAN SHINDE

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Professional Background:

- Software Professional with **15+ years of relevant Software** Engineering experience.
- Working with **Openwave India Pvt Ltd. an ENEA company** since 2015 till date as a **PRINCIPAL SOFTWARE ENGINEER**.
- Worked with **Persistent Systems Ltd** for 10 years.
- Hands-on experience in **Modern C++**, **Shell Scripting**, **Perl Scripting on Linux** platforms.
- **Led a team of 6 developers in global delivery model spanning across different time zones.**
- **Mentored junior team members** and helped them ramp up quickly on the products.
- Hands-on experience in coding and designing **highly scalable multithreaded products**.
- Experience in designing and development of new features with wide experience of maintaining products.
- Sound understanding of **object-oriented programming and data structures**.
- Sound **analytical and problem-solving** skills, have **root caused, reproduced several complex production issues with a good turnaround time**.
- Exposure to **Agile Development and Test-Driven Development**
- Exposure to telecom domain - **subscriber storage, 4G, 5G, LTE, SSO, IoT, Traffic Management and cloud** technologies
- Experience working in both **start-up (product) and large (services) organizations**.
- Expertise in debugging and troubleshooting tools like **gdb, wireshark, tcpdump**
- Working knowledge (as a developer) of **cloud technologies, Openstack, VM, Docker and Kubernetes**.
- Experience in **vulnerability scans** of the product.

Technical Background:

Operating Systems/Platform	:	Linux (RHEL, Fedora, CentOS) Solaris, AIX, Cloud Openstack, RHEL repos
Languages	:	C, Modern C++ (11 and above), HTML, SQL, XML, YAML.
Programming Concepts	:	Object Oriented Programming, Data Structures & Algorithms, Dynamic Programming, Multithreading, Linux Internals, Socket Programming, Memory Management, Data Communication, Design Patterns
Scripting Languages	:	Shell Script, Perl, Python (PyTest)
Tools	:	ASan, Valgrind, SonarQube, Perforce, Wireshark, Jenkins, GCC, GDB, purify, Doxygen, Coverity, Sslplus, ATS, VPP / DPDK, Flamegraphs, Makefile, make, puppet, YUM repos
Version Management	:	Perforce, GIT, clearcase
Databases	:	Oracle 11, MySQL, Cassandra, Berkley DB, DB2
Protocols	:	HTTP/S, TCP/IP, TLS, LDAP, DNS, DIAMETER, QUIC, Google protobuf, RADIUS, SNMP
Security scanning Tools	:	Nessus, Pentest, Tenable.io, SonarQube
Software Lifecycle	:	Agile, Waterfall, DevOps
Courses completed	:	Go essentials Training. Python: The big Picture GIT: The big Picture

Educational Background:

- Master of Computer Applications, (2002-2005), Shivaji University, Kolhapur with 1st class.

Projects Details:

Project1:

Project Title	: Smart User Repository
Scope of the Project	: Smart User Repository (SUR) an LDAP directory provides a core scalable infrastructure for managing subscriber access to and usage of multiple networks and applications. With SUR, wireless and wireline providers can simplify their infrastructure and reduce complex integration projects by replacing many application-specific directories with one carrier-scale, general-purpose directory. The result is a platform for rapid, flexible service delivery. Designed and tested to support millions of users, SUR's unique architecture performs consistently with high availability, reliability, and performance.
Duration	: 7 years
Team Size	: 7
Developed Features	: <ul style="list-style-type: none">• Persistent Search• Multithreaded change log replication• AES encryption feature.• Smart Data Federator.
Role/Responsibilities	: <ul style="list-style-type: none">• Leading a development team with hands on involvement in feature development.• Involved in reviewing design, functional specifications, code, and documentation.• Assist field team for resolving production issues.• Help/mentor team for resolving their technical problems.• Induction and Product training for new joiners in the team.• Provide solutions to support team to solve their engineering problems.• Conduct technical interviews for recruiting new people for the team/account.• Involved in reviewing design, functional specifications, code, and documentation.
Software Tools	: Linux, C++, PERL, ORACLE, LDAP, STL, MySQL, OpenAM (for IM), gdb, purify, Valgrind, Wireshark, Perforce, Coverity, multithreading.

Project2:

Project Title	: Traffic Management CE
Scope of the Project	: Integra is the industry's most scalable platform and powers key solutions including Mobile Data Monetization, Mobile Media Optimization, Secure Traffic Management to provide innovative subscriber-aware pricing models, congestion-aware network optimization, secure Traffic management capabilities. Some of the key features TCP Acceleration Encrypted Video Manager (EVM) Mobile Data Optimization Traffic Classifier Traffic Filtering Session Congestion Manager
Duration	: 5 years
Team Size	: 6
Role/Responsibilities	: <ul style="list-style-type: none">• Hands on involvement in design, coding, and maintenance activities.• Complete responsibility of custom development, feature enhancement and patches.• Built a patching framework to support patches at production deployments.• Creating Openstack (VM) image of the product.• Automated nightly vulnerability scanning of all the images.• Enhancing Redhat repos which are reported to be vulnerable.• Customizations to the product.

		<ul style="list-style-type: none"> • Handling the standup meetings for the scrum of 6 people. • Owning the activity of Induction and Product training for new joiners in the team. • Configuration Manager for the Team (looking for all activities Versioning Control i.e. VSS and Perforce) • Nessus scans of the product.
Software Tools	:	RHEL 8, C++, PERL, Apache Traffic Server (ATS), Vector Packet Processing (VPP) / DPDK, gdb debugger, Jenkins, pytest, Valgrind, flamegraph, Address Sanitizer, Wireshark, Perforce, Coverity, SonarQube, Nessus, Openstack

Project3:

Project Title	:	License Administration tool / Mobile Business Intelligence
Scope of the Project	:	<p>The LAT/MBI provides statistics on usage of internal products such as Mobile Access Gateway for the Organization's Finance Department. The Mobile Business Intelligence (MBI) capabilities of LAT make it possible for operators to analyze different aspects of their business, like subscriber usage patterns and time-based usage patterns.</p> <p>The License Administration Tool uses <i>event-based billing</i> as the basis of its processing and reporting. Event-based billing provides detailed information about subscriber transactions that the License Administration Tool can use to generate transaction data for any of the license models that customers use.</p>
Duration	:	2 years
Team Size	:	11
Role/Responsibilities	:	<p>Designated Team Developer</p> <ul style="list-style-type: none"> • Responsible for collecting requirements from Customers. • Responsible for all extract related work (Analysis, Design and Development) • Induction and Product training for new joiners in the team. • Responsible for Installer work (Design and Development of new packages and patches) • Configuration Manager for the Team (looking for all activities Versioning Control i.e. VSS and Perforce)
Software Tools	:	Solaris 10, C++, PERL, ORACLE, LDAP, SGI-STL, MySQL, dbx debugger, ETL

Honor Awards:

- Star performance Award: Telecom BU, Persistent Systems Ltd
- You Made a difference Award: TRAINING BU, Persistent Systems Ltd.
- Stand Out Award: OPENWAVE
- Engineering Recognition Rewards: OPENWAVE

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