

Prem Karat

Test Architect

+91 990209741



prem.karat@gmail.com



[in/prem-karat-82775a25/](https://github.com/prem-karat-82775a25/)



<https://premkarat.github.io>



Education

National Institute Of Technology
Silchar

Skills

Linux Kernel
Linux KVM
Python

Volunteer Experience

Guest Lecturer
IBM University Relations

Indian Institute of Technology
Jodhpur
Dec 2012

Technical Papers

ipsec-kev2
leapsecond test
kASLR
Kernel performance test

Profile

Experience in functional testing of Linux kernel, Linux KVM & Openstack. Have designed & developed automation test frameworks based on **Pytest**. Have contributed to various open-source projects and authored technical papers.

Experience

Designed and developed two test automation frameworks mvtest and zstest based on pytest. Have experience in testing Linux Kernel features, Linux KVM and Openstack on pre-GA RHEL, SLES and MontaVista linux distributions. Have experience working in x86-64, arm and ppc architectures. Have also worked in Customer facing teams as L1, L2 and L3 support engineer.

ZeroStack || Member of Technical Staff || Jul 2017 - Present

Cavium || Test Architect/Senior Test Lead || Jan 2014 - Jun 2017

IBM || Test Architect || May 2005 - Dec 2013
Linux Technology Center (2010 – 2013)
Rational Labs (2005 – 2010)
Joined IBM via acquisition of Telelogic

Dell || Senior Tech Support Associate || Jun 2004 - May 2005

Allsec || Customer Support Associate || Jan 2003 - Jun 2004

Open-Source Contributions

1. vDSO randomization proposal for MIPS (<http://www.spinics.net/lists/mips/msg50555.html>)
2. Leap second testing (<https://github.com/premkarat/leapsecondtest>)
3. ANSI support for pytest-html (<https://github.com/pytest-dev/pytest-html/pull/81/commits>)
4. mvtest (<https://github.com/premkarat/mvtest>)
5. Openstack tempest (http://stackalytics.com/?release=all&user_id=prem-karat)
6. autotest (<https://github.com/autotest/autotest/commits?author=premkarat&since=2012-01>)
7. mount helper for 9p (<http://marc.info/?l=v9fs-developer&m=131229409901652>)
8. Linux kernel patch for 9p bug fix (<http://lkml.indiana.edu/hypermail/linux/kernel/1105.1/01512.html>)