



# Cassandra Team Resume

Pythian's experts continuously contribute to strengthening the Cassandra community.

**Cassandra Expertise Summary****Internal Developed Solutions**

Community Contribution

Recent Technical Presentations

**Cassandra Expertise Summary****Certifications**

- Apache Cassandra Operations in Kubernetes Associate
- 100% team members certified with both:
- Apache Cassandra 3 Administrator Associate Certification
  - Apache Cassandra 3 Developer Associate Certification

**Databases**

Apache Cassandra and DataStax Enterprise, MySQL, Oracle, Google Cloud Platform, Microsoft SQL Server, Microsoft Azure

**Monitoring**

Cassandra metrics, Ops Center, Grafana, Nagios, Datadog, NewRelic, Zabbix

**Operating Systems**

Solaris, RHEL, CentOS, SuSE, Ubuntu, Linux, Windows

**Automation**

Puppet, Amazon Cloud Formation, Ansible, Terraform

**Tools**

Jira, Git, Jmeter, Cassandra Stress, Cassandra Cluster Manager, Cassandra Reaper, Medusa for Apache Cassandra

**Automations include**

- Cluster-wide Cassandra installation, including necessary dependencies and OS configuration
- Cluster-wide metric collection for Health Check assessments, and a dedicated parser for metadata visualization in a spreadsheet
- Cluster-wide Cassandra starts and stops
- Managing backups and restores
- Managing range repairs
- Managing user-defined compactions via JMX (for Cassandra versions predating 3.0)
- Cluster-wide reversal of incrementally repaired sstables
- Cassandra schema maturity parser
- Cluster-wide purging of expired data
- Apache Cassandra upgrade
- Grafana dashboard templates for Cassandra monitoring
- Migration scripts using sstableloader
- Client specific solutions, including DSE to Apache Cassandra migration components

## Community Contribution

- Cassandra tech channel on YouTube
- Individual tech blogs
- Active involvement in the Apache Software Foundation Slack #cassandra, Cassandra User Group on WhatsApp and LinkedIn

## Recent Technical Presentations

16.03.2022

- Cassandra Day Brazil: Cassandra's Best Practice for AWS and Cloud (Boas Práticas Para Cassandra na AWS e Cloud em Geral (Original – PT BR)

10.07.2021

- Cassandra Day: India Performance Tuning in Cassandra

"Pythian is an excellent Database Partner, especially for Cassandra. Their knowledge in Cassandra architecture, administration, data modeling, and performance tuning have helped us manage our clusters effectively. I've been working with them directly and have really enjoyed our partnership with Pythian."

– Mohammad Aburadeh, PDF Solutions Inc.

### About Pythian

Founded in 1997, Pythian is a global IT services company that helps organizations transform how they compete and win by helping them turn data into valuable insights, predictions and products. From cloud automation to machine learning, Pythian designs, implements and supports customized solutions to the toughest data challenges.

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Pythian

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