

## EXPERIENCE

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### • Nice Incontact

*Lead Software Engineer*

Pune, India

*Aug 2017 - Present*

- **Data Streaming:** Data Streaming is a platform based on Apache Flink for building and governing streaming data workflows/pipelines. Platform is an event hub and provides subscription APIs to subscribe events available. It supports schema versioning, data filtering and censoring at subscription level
- **Billing:** Billing platform is a product to support heterogeneous billing strategies based on product/feature requirements. It supports strategies like event based, time based, usage based etc. It provides unified data model for applications to publish the data required for billing and provide cohesive and extensible billing calculations
- **Telemetry:** Telemetry is a data collector platform used for data collections of various types of data required to support use-cases like audit, compliance, security and instrumentation
- **Verification System:** Verification is an backend system which provides comparison and analysis of two identical business data sources, generally produced by two different systems/versions. It helps identifying issues in data/business logic by providing default analytical algorithms, but also provides features to extend/implement custom algorithms to compare the data
- **AWS Billing Analytics - Proof of concept only:** AWS Billing analytics provides analysis of AWS billing reports based on metadata available in CloudFormation templates used for deploying application stack. It categorizes and identifies crucial components in stack that are contributing towards cost of stack

### • GSLab

*Lead Software Engineer*

Pune, India

*June 2016 - Aug 2017*

- **Security Incident Reporting App:** Security Incident reporting is an android and ios app made for capturing and reporting security and compliance related incidents happened on premise
- **Vehicle Telemetry analytics:** Vehicle telemetry analytics is an analytics platform specifically made for monitoring of heavy vehicles like earth movers, excavators etc.
- **Secure sandbox:** Secure sandbox is Intel TXT and Intel SGX based secure application execution platform. This platform provides Key management, data security management and execution management using Openstack platform. Confidential data can be shared to third party applications for processing without exposing the data unencrypted
- **Virtual Switch Management - Proof of concept only:** Virtual Switch Management is an OSGi based web application to manage virtual switches in Openstack environment. It uses Open vSwitch as a backend technology.

### • Harbinger Systems

*Lead Software Engineer*

Pune, India

*June 2007 - June 2016*

- **Insider Threat Detection:** Insider Threat detection is network security system which analyzes network flows happening in real time and produce actionable reports for network administrators to mitigate network security risks. Primary focus of this system is to identify insider threats
- **Remediation System:** Remediation system is a pluggable repository of network remedies. These remedies can be executed on connected systems using web interface. Administrators can create script based remedies using web interface or develop plugin that can be hosted in repository
- **Threat Intelligence:** Threat Intelligence is a platform to manage historical data and pattern of network and security threats.
- **Network Security Analyzer:** Network security analyzer is a suite of applications required to identify, analyze and act on network security incidents. It uses PCAP technology to capture network traffic and provides pattern engine to analyze packets. The patterns can be provided using Threat intelligence feed
- **Medicaid Health Insurance - Premium Billing:** Premium Billing is a billing invoice management, identification and generator system.
- **Medicaid Health Insurance - Risk Adjustments:** Risk Adjustment is a system that governs data import, transformation, analytics and submission of Medicaid Claims to CMS system.

### • Harbinger Systems, Pune University

*Industrial Trainee*

Pune, India

*Jan 2007 - June 2007*

- **Pervasive Data Integrator:** Data Integrator is a ETL built using Pervasive Business Integrator tools to import and export data from Medicaid Health Insurance System

## PROJECTS

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- **Kinesis GUI Consumer:** Java FX based stream consumer to consumer and display events from stream. Supports JSON and AVRO formats
- **Kinesis Load Generator:** Command line program to generate load on Kinesis Streams
- **Packet Web Server:** Packet web server is a packet capture server and web UI to visualize live packet captures
- **Packet Sniffer:** Packet Sniffer application using Scapy
- **PCAP Generator:** Packet capture file generator generates packets for IDS patterns/rules. Supports Snort rules
- **IRS A2A Client:** IRS A2A client is an integration service to submit and process Affordable Care Act claims

## TECHNICAL SKILLS

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- **Languages:** Java, Javascript, Python, SQL
- **Technologies:** AWS, OpenStack, Docker, Spring, DBMS, NoSQL, Flink, Spark, Snowflake, MicroStrategy, JasperReports, MicroServices, Kafka, Kinesis, RabbitMQ, ActiveMQ, Networking, Security

## EDUCATION

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- **Pune University** Pune, India  
*Master of Science in Computer Science* Aug. 2005 – Oct. 2007
- **Pune University** Pune, India  
*Bachelor of Science in Computer Science* Aug. 2001 – July. 2005