















# Sr. Engineer DevOps Automation, Cloud, Infra, Big Data & Security

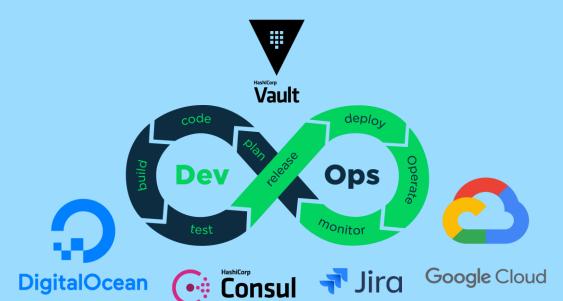
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# **Career Objective**

I have experienced over 8 years as IT Professional in different areas of information technologies seeking opportunities to associated myself with professionally driven organization in a techno functional role and put my capabilities and qualifications to the organization and trying to enhanced the outstanding productivities with help of modern technologies, securities & automations.

# **Professional Summary & Technical Skills**

- **DevOps Task:-** Experience with developing containerization and clustering technologies like Docker, Kubernetes (EKS, AKS, GKE), Redhat Openshift.
- Strong understanding of modern cloud architectures and DevOps principles.
- Experience in Amazon Web Services and it's features AWS EC2, VPC, Auto scaling, Cloud Formation, Lambda, RDS, ELB, CloudFront, Security Group, Glue, CodeBuild, CodeDeploy, CodePipeline, CodeStar, Route53, Backup, Glacier, IAM, AMI, Sagemaker and S3.
- Experience in Azure DevOps (SDLC) Boards-Project Management & Reports dashboard, Repos-Version Control, private Repos, Azure Test Plans- Capturing/Monitoring data, Pipelines-connect to GIT Repo, CI/CD, Artifacts, code, npm, NuGet etc.
- Experience in IBM Cloud vpc, classic virtual server, code engine, API connect, DataStage, event streams etc.
- Experience in Google Cloud deployment manager, compute engine, container engine, dataflow, etc services.
- Experiance of major cloud service providers- AWS, Azure, GCP, IBM Cloud, Alibaba Cloud, Digital Ocean, Linode, OVH, BlueHost, Netmagic & Ctrl4C/CtrlS.
- Experience in setting up Baselines, Branching, Merging and Automation Processes using Shell Scripting.
- Experience in branching, tagging and maintaining the version across the environments working on Software Configuration Management (SCM) tools like Subversion (SVN) and Git.
- Experience in building end to end CI/CD Pipelines in Jenkins & XL XebiaLabs to retrieve code, compile applications, perform tests and push build artifacts to Nexus.
- Experience in JIRA atlassian using user group, project role, task, sprint, story & boards etc features.
- \* Hands on expertise with configuration tools like Chef, Puppet, Ansible, Terraform creating Manifests, Cookbooks Playbooks to automate infrastructure maintenance and build/deployment process.
- Strong knowledge and experience in monitoring and logging tools like Splunk, Nagios, Grafana for monitoring network services and host resources.
- ❖ Working Experience in git clone, npm, ELK- Elastic search, Logstash, Kibana.
- Experience in deploying code trough web application servers like Apache, Tomcat and Web Logic.
- Experience in deploying Apache-Ignite, Nginx Load balancer, Redis, DynamoDB/ NoSOL, MangoDB, Sonarqube.
- Experience in website SEO improvement, Microservices, RESTful API.
- Experience in installing, configuring, administrating, troubleshooting, tuning, backup, recovery and upgrading Linux servers, Windows, Mac & Solaris.
- ❖ Able to build relationships, establishing connections, management and leadership skills.
- ❖ Able to work individual as well as in the Team & Concentrate on velocity.
- ❖ Excellent organizational, effective communication skills, ability to work in complex environments, 24x7 uptime mind-set to do max automations.
- Analysis and evaluation capabilities with proven track record of accuracy and precision.
- Experience in Planning, collaborating, critical thinking, designing, implementing, testing, monitoring & improving.
- Experience in C, C++, Scala, Django, Flask, PySpark, DataBricks, Python (Pycharm, Jupyter notebook, Visual Studio Code, Anaconda) & Java (NetBeans, Eclipse) Cucumber tool.
- Installation SSL certificate on various web platforms, servers.
- Understanding of various Infrastructures, database, automation, integration, monitoring tools & Execution process like- HelmChart, Octopus Deploy, TeamCity, Saltstack, Snowflake, Tekton, Rabbitmq, Bamboo, Bitbucket, Mesos, Maven, ANT, Gradle, GitLab, Github, GitOps, Consul, Vault, Firebase, WiX Toolset, SQL.
- Scripting: CMD-Batch, PowerShell, Bash, Ruby, Python, writing Dockerfile, Jenkinsfile, Groovy Scripting, YAML
- \* Big Data Hadoop:- Working experience in NameNode-Master node, DataNode-Slave, Hive- help of SQL query analyzing large datasets stored, Pig- scripting, Oozie- managing work flow, combines multiple jobs sequentially into one logical unit of work, Hbase- to store structured data in row & columns, Sqoop/ Flume(with falt tolerant)- data collection like import-export data into mysql, oracle, Teradata, netezza, HCatalog- to allow users to store data in any format like- csv, json,rc file orc file. HDFS, Kafka- move large amounts of data, Map-Reduce- data processing, check fault tolerance, Yarn- cluster resource management, Avro, Thrift & Drill- processing data structured & semi-structured, Ambari- managing & monitoring data, zookeeper- to manage centralized service & configuration.
- Computer Hardware/ Software/ Networking: All communicating devices instilling, configuration Cisco router, Cisco, Dell, HP, manageable switches L2 / L3 and All types of server hardware management like HPE, Dell, Lenovo, IBM & SuperMicro Configuration, RAID configuration, parts installation.

- Servers/ Virtualisation/ Routing Protocols: Installation, Configuration, Troubleshooting DNS, FTP, Web Hosting, Tally Server ERP, Mail Server, Active Directory, Microsoft RDSH server, terminal server & Citrix Server, Citrix XenApp, XenDesktop (PVS & MCS), NetScaler, Microsoft SQL server 2005, 2008, 2017, 2018 with SQL management Studio, vCenter, VMware Exsi host, vRealize & it's so many services, Features & Implementing process, Horizon Connection Server installation with all components, Cloud Computing, Hyper-V, KVM/ iKVM, storage device installation, Management (SAN/ NAS). Manage freshdesk- ticketing system, office 365, Domain Records. Configure and troubleshooting RIP, OSPF, EIGRP, BGP, eBGP, iBGP, HTTP, HTTPS, UDP, TCP/IP, Telnet, GRE, SMTP, POP3, IMAP, SSL/TLS.
- Network Security/ Firewall/ Anti-Virus/ Penetration Testing: VPN, Data Loss Prevention, IDS/IPS, Web-Proxy, Configure policies, Troubleshoot CRC error, Port Open-Close, SSO Authorization, Deployment Firewalls Gajshield, Sonicwall, Cyberoam, Sophos, Checkpoint, Palo Alto, Riverbed, Fortigate/Fortinet. AntiVirus Management -McAfee, Symantec Enterprise Endpoint Security, K7 Advance Enterprise Endpoint Security, Quick Heal Segrite, eScan Server Management Based, Bitdefender, proofpoint Security & Trend Micro. GPG encryption, Security Audit ISO 27001, Preengangement, Engagement process, Info Gathering, Scanning, Enumeration, Vulnerability Assessment, Exploit Research & Reporting- Planning, Collection, Draft, Review & Final with Ethics of PT. Compliance-based assessments, Automated/ Manual penetration testing- Physical/ network/ web application/ social engineering/ wireless network/ cloud/ mobile device, black box, gray box, white box approach. Phases-pre-attack/ attack/ post-attack & Methodologies-LPT, ISSAF, OSSTMM, NIST, OWASP. Tools- Nmap, Nikto, OpenVAS, Nessus, Sqlmap, Whois, Nslookup, Cewl, Medusa, the Harvester, Brutespray, Proxychains, Censys, Maltego, Netcat, Hping, Cloudflare, Kismet, Snort, Lolcat, Burp Suite scanner, Yersinia, Hashcat, The Browser Exploitation Framwork (BeEF), SET, MAC Changer, Armitage, Shodan, FOCA, Recon-ng, Mimikatz, Patator, DirBuster, Trape, Wordpress Scan, Joomscan, Thanatos Decrypter (Ransomware), Petya Ransomware, Wannacry Ransomware, CMSeek, Red-Hawk, Whatweb, Whois, Traceroute, Dirbuster/Dirb, Wireshark, Zeek, Responder, Impacket, Empire, PowerSploit, Metasploit, SearchSpolit, Honeypot, SQL Injection Tool, Havij, OWASP ZAP, Httrack, Hash-Identifier, Crunch, Cain and Abel, John the Ripper, WiFite, Aircrack-ng, Hydra, Checksum, LaZagne-Master, encryption, Decryption & so many other tools as per requirements.

## **Professional Certifications**

- Certified Ethical Hacker (CEH v9) Cert No. ECC61287596202 from EC-Council USA 84.8% Certification in 2016
- ❖ Fortinet's Network Security Expert Certification NSE1 Cert No. GT0JMBExkl Certification in 2020
- ❖ Fortinet's Network Security Expert Certification NSE2 Cert No. q7dpYIRKu4 Certification in 2020
- **AWS Strategies and Tools to Perform Large-Scale Migrations** Certification in 2020
- **❖ AWS Securing Your AWS Cloud** Certification in 2020
- **❖ AWS Machine Learning Basics** Certification in 2020
- AWS Getting Started with the AWS Cloud Essentials Certification in 2020
- ❖ Alibaba Cloud Certification Cloud Computing Operate and Manage a Cloud Server Cert No. ACLC03200800029862 Certification in 2020

# **Employment History**

Facile Info Services Pvt Ltd Pune - Maharashtra

Designation: - System Admin L3 - IT

**Professional Summary: -**

**Duration: -** 16 March 2020 – At present

- Working on Linux Servers Redhat, CentOs, Ubuntu, Web Server, Apache, Nginx server/ Loadbalancer, Redis, Git, GitLab, Github, Docker, Kubernates, MangoDB, MySQL, phpmyadmin, Sonarqube, Jenkins CI/CD pipeline, Maven, Repository, code building, write YAML(Playbook), Terraform, Ansible, ELK- Elastic search, Logstash, Kibana, REST API. Creates/ Modify IT policies, Providing Training & SOP to colleagues.
- Working on Python, Spark/ PySpark, Hadoop, NameNode-Master node, DataNode-Slave, Hive- help of SQL query analyzing large datasets stored, Pig- scripting, Oozie- managing work flow, combines multiple jobs sequentially into one logical unit of work, Hbase- to store structured data in row & columns, Sqoop/ Flume(with falt tolerant)- data collection like import-export data into mysql, oracle, Teradata, netezza, HCatalog- to allow users to store data in any format like- csv, json,rc file orc file. HDFS, Kafka- move large amounts of data, Map-Reduce- data processing.
- Manage Security Firewall- Fortinet 200E, HA AA, Forti EndPoint management server & Anti-virus Symantec enterprise endpoint security.
- Logs Monitoring server- Nagios, Splunk, New Relic & Real Time network traffic analyzer tools wireshark.

- Manage storage, backup & Disaster recovery NAS Synology, QNAP & AWS migration Local to Cloud.
- Remote Support (Dameware-Solarwinds), Anydesk, TeamViewer, Ticketing system (Freshdesk & Itarian), Chat Support (Zoho Cliq, WhatsApp), On Phone Calls, Remote Access Solution- VPN Configuration.
- Scripting- CMD-Batch, PowerShell, Bash, Python, Perl.
- SSL certificate installation on Linux, Windows & other platforms.
- Manage domain related records- A, MX, SPF, DKIM, TXT, Domain transfer- nameserver modify, Godaddy, namecheap, Bigrock, cloudflare, Porkbun, cPannel & Office 365 related records via PowerShell script.
- Manage Cloud Servers- Linod, OVH, AWS (VPC, VPN tunnel, Security group, EC2 Instances, RDS, S3 Bucket, Cloud Front, Cloud Shell, Cloud Watch, Cloud Search, Cloud Trail, Route53, ELB, Glue, Backup, Snapshots, IAM, AMI, Glacier, EKS, SageMaker, Auto Scaling & CloudFormation etc.
- Manage, Installation, Configuration VMware- Exsi Host, vCenter, Horizon Connection server, VDI & vRealize.
- ❖ Windows Servers 2008R2/2016(Web-hosting, Terminal Server- RDS, Active Directory- users, groups, policies users base & Computer base, DHCP, DNS), Authentication via AD, LDAP, SSO.
- Manage Mail server/ email solutions- Zoho, Gsuite, Office 365, Amazon SES(Simple Email Service), PMTA server-Mailwizz, Sendy, Mautic, roundcube, webmail, VestaCP, Configuring & implementing.
- Manage & Configuration Video Conferencing- Business Skype, Cisco/Polycom IP Phones(Trio 8800), MS Teams, Pulse calling server, FreePBX- Asterisk calling server, SIP Trunk- Twilio, Voitekk, TCL, eyebeam, Projector, DVR/NVR – CCTV, IP Camera, Network Printer & Biometric Devices.
- ❖ Installation SQL server, Database managements- Dynamodb & Tally server.
- ❖ Manage Server Hardware –Dell, SuperMicro, Routers/ Access Point/ Switches L2 & L3 − Cisco, Aruba, HPE, Dell, Dlink, Netgear & iKVM/KVM management.
- Monitoring local and remote infra & testing to identifying network and system vulnerabilities. Ensure all the devices are sync and up-to-date & keeping always tighten security of the networks.
- Support to top management, Purchasing-Negotiations & Co-ordination of Vendors as per requirements.
- Gather & collate network requirements working with colleagues, Doing Security Audits, Maintain inventory, AMC & Support to Mac Users.
- ❖ We follow process (ITIL) Information Technology Infrastructure Library.

#### Digi1 Snehanjali Retail Pvt Ltd Mumbai - Maharashtra

**Designation:** - Assistant Manager - IT

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**Duration: -** 17 July 2017 – 06 March 2020

## **Professional Summary: -**

- Working on Docker, Kubernates, CI/CD pipeline, Jenkins, Git, Github, Azure DevOps & Big data tools like Hadoop, Kafka, Sqoop, Pig, Oozie, Hbase...
- Configured Log stash input, filter and output plug-in such as AWS Cloud watch, Amazon S3, Nagios and elastic search.
- ❖ Built CI/CD pipeline and managing the infrastructure as code using chef.
- Scheduled the Linux Cron jobs and Jenkins jobs for build automation.
- Developed Python and shell scripts for automation of the build and release process & to perform deployments to JBOSS and Tomcat Web servers.
- Coordinated developers with establishing and applying appropriate branching, labeling /naming Conventions using GIT source control.
- Linux servers manage- Ubuntu, Centos, Web hosting, Apache, Nginx server/ Loadbalancer, Redis.
- ❖ Worked with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems
- Configured Docker container for branching purposes and Implemented Docker automation solution for Continuous Integration / Continuous Delivery model.
- Designed, implemented CI system: configuring Jenkins servers, Jenkins nodes build, testing tasks for developers.
- Using Chef Automation tools, builds, do an overall process improvement to any manual processes.
- ❖ Used Splunk to monitor the application logs, Server Logs, Indexes and Server data.
- Creation of puppet manifest files to install tomcat instances to manage configuration files for multiple applications.
- \* Manage K7 Cloud Advanced Enterprise Endpoint Security, Bitdefender protection & eScan network Security.
- ❖ Managing Sophos SG115 firewall, Fortigate 200E & Configuring DINSTAR MTG600-1E1 SIP Trunk Config.
- Managing cloud server, windows and Linux-CtrlS/Ctrl4C, AWS, Azure, GCP (Google Cloud), Netmagic, Digital Ocean, Blue host, Gsuite.
- ❖ Manage Disaster Recovery Backup/server.
- Manage domain related records- A, MX, SPF, DKIM, TXT, Domain transfer, modify, Godaddy, namecheap, Bigrock.
- Manage Active Directory, Group Policy, DNS, DHCP, Terminal server- RDSH, windows server 2008 R2, Configuration Zoho mail, 3CX calling server, Asterisk Sangoma freePbx- calling server.
- Support remote access solution- VPN, biometric devices, citrix XenApp, XenDesktop (PVS & MCS), NetScaler.
- Managing, planning, implementing, testing, monitoring, upgrading & identifying network and system vulnerabilities to improve network security with help of tools wireshark.
- ❖ As per need visit to outlets including warehouse to check infra requirements to improvements.
- Purchasing-Negotiations Co-ordination of Vendors as per requirements. Participating in the change management process & Make suggestions to improve efficiency and profits while minimizing process.
- Manage network printer, Tally server, database server -SQL/MySQL & Assist in CorelDraw, Adobe Photoshop.

### Acma Computers Ltd Mumbai - Maharashtra

**Designation:** - CSE L4

## **Professional Summary: -**

- Involved in architect, build, maintain highly available secure Multi-Region AWS cloud infrastructure custom-sized VPC, subnets, EC2 instances, ELB, S3, Cloud Front, cloud watch, RDS, Route53, Simple Notification Service (SNS), Cloud Trail
- security Groups using CloudFormation & Terraform.

  Working on AWS Beanstalk for deploying and scaling web applications services & server-less architecture using AWS Lambda.
- Created new namespaces using AWS EKS, creating Docker images and pushing them to container registry of AWS, Configuration Art factory, Sonar Qube, Nginx, Rabbit MQ, Stack storm on Amazon ECS.
- Working on Kubernetes to deploy scale, load balance, scale, manage Docker containers with multiple namespace versions.
- Developed XL-Release templates for automated deployments of services from building the ECR image and Service deployment to lower environments and all the way to production.
- Successfully deploying the applications using the Custom-built Jenkins CI/CD end-to-end pipeline sequential deployment for a high availability infrastructure in a multi-region environment.
- Configured Lacework agent into the Docker images for monitoring the ECS cluster services for vulnerabilities and created alerts, dashboards for monitoring.
- Maintained development, infrastructure Branching, Tagging, Release Activities on Version Control Tools including Nexus artifact repository, GIT source code management tools GITLAB, SVN, Git Hub, JIRA.
- ❖ Administering the production, assist in sizing & pricing effort of the projects.
- Audit and collate cloud & local infra network requirements working with clients and Team to increased network efficiency & design secure and scalable networks infrastructure.
- Working on Repos, Groovy Script, Maven, Mesos, Gradle, ANT, bash, Powershell, Python & Managing Cloud server Azure, Azure DevOps, AWS & GCP.
- Configuration, Installation SQL/MySql & Database management applications.
- Big Data Hadoop Master node, DataNode, HDFS, Kafka, Oozie, Hbase, Hive, Pig-scripting, Sqoop/Flume(with falt tolerant)- data collection like import-export data into mysql, oracle, Teradata, netezza, HCatalog- to allow users to store data in any format like-csv, json, rc file orc file.
- Manage domain related records- A, MX, SPF, DKIM, TXT, modify, Godaddy, namecheap, Bigrock.
- Servers Support Dell, HPE, Lenevo, IBM, Supermicro, blade server, tower/ Rack, RAID configuration LVM.
- Providing training to colleagues & maintaining SOPs for all network set-ups as well client networks.
- Managing, troubleshooting, installation, configuration hardware, software related to server, router, switches, barcode scanner, projector, NAS box- Synology, SAN Dell EMC, QNAP, Hyper-V, KVM/iKVM, cabling, DVR/NVR CCTV.
- Manage Security firewalls & Antivirus gajshield, sonicwal, cyberoam, Palo Alto, Sophos, Riverbed, checkpoint, fortigate, K7 Cloud Advanced security, quickheal seqrite, eScan SMB, Macfee, Symantec, Avast, trendmicro, bitdefender & Security Audit at customer places.
- ❖ Manage & troubleshooting protocols, remote access solution, VPN, deploying applications via Citrix XenApp, NetScaler, TCP/IP, RIP, OSPF, EIGRP, BGP, eBGP, iBGP, HTTP, HTTPS, UDP, TCP/IP, Telnet, GRE, SMTP, POP3, IMAP, SSL/TLS, DNS, DHCP, Web server, FTP server, Exchange Server, Tally server, Mail server, Terminal server- RDSH & Assist in CorelDraw, Solidworks.

### Cafe Coffee Day Mumbai - Maharashtra.

**Designation: -** Junior Executive - IT

#### **Professional Summary: -**

- Installing and configuration Windows OS, Linux based operating system CentOS 5 & 5.5, application software & outlook.
- ❖ Visit at Outlets configuration 3G USB modem (dongle) with help of scripting, command line of Airtel, Reliance, TATA photon & Vodafone for MPLS connectivity to the Linux server as well as CCTV Camera.
- Installation & configuration computer hardware parts, printer, Barcode scanner, router, switches.
- Security firewall, Antivirus Cyberoam creating user ID, password, applying policies for browsing internet, Symantec Endpoint Protection installation.

#### Maru Global Commercial Pvt Ltd / Marudhar Arts - Bangalore Karnataka.

**Designation:** - Graphical Designer + System admin

**Duration:** - 3<sup>rd</sup> Dec 2013 – 30<sup>th</sup> Aug 2014

**Duration:** - 1st Sep 2014 - 20th April 2015

**Duration: -** 21st April 2015 - 12 July 2017

#### **Professional Summary: -**

- Finalize Catalogues designing using Adobe Photoshop & Corel draw.
- Photo shooting of ancient coins, notes, jewelleries with help of technologies & technics.
- Windows server/client OS formatting, installation, configuration, software, hardware computer desktop, network printer, scanner, fax, router, cabling, switches & internet connectivity issues.
- Training to colleagues, Images cropping skills, designing catalogue, pamphlets, banner with help of Adobe Photoshop and CorelDraw, Providing task to colleagues.
- Purchasing-Negotiations Co-ordination to the vendors as per requirements- computers software & hardware.
- Re-engineered existing CAT6 cable plant infrastructure for office expansion and migration from previous network.

# **Professional Training**

Professional Training / Diploma		Institution Name	Obtained
Big Data ML/ AI/ AWS/ Databricks/ PySpark/ Python/ Scala/		The Interface Technologies	Passed
PyScala/ Django/ Hadoop/ Kafka/ Flume/ Oozie/ Hive etc.		Mumbai	
Certified Ethical Hacker (CEHv9)		Nettech India Mumbai	A Grade
Expert in Hardware & Networking (ENA)		Emind Technologies Bangalore	A Grade
Diploma in Computer Applications		Adarsh Institute of computer UP	83%
Amazon Web Services (AWS)		Collabera /Cognixia Pune	Excellence
Checkpoint Certified Security Administrator (CCSA)		Nettech India Mumbai	A Grade
The Red Hat Certified Engineer (RHCE)		Emind Technologies Bangalore	A Grade
Microsoft Certified Information Technology Professional- MCITP		Emind Technologies Bangalore	A Grade
Cisco Certified Network Associate (CCNA)	2014	Emind Technologies Bangalore	A Grade
Cisco Certified Network Professional (CCNP)		Emind Technologies Bangalore	A Grade

## **Education**

Qualifications	Year Board / University Name		Obtained
MCA - Master of Computer Applications	Master of Computer Applications 2021- Manipal University Jaipur		Pursuing
BCA - Bachelor of Computer Applications 2017-20 Jaipur National		Jaipur National University	68.96%
10+2 (Physics, Chemistry & Maths) - Science	2008	UP Board India.	63.00%
10 <sup>th</sup> Mathematics	2006	UP Board India.	67.50%

## **Personal Details**

Full Name: - Ravi Sharma

**Date of birth: -** 30 July 1991

Marital status: - Single

Father Name: - Mr. Kailash Sharma

- **Strengths:** I am a quick learner, well listener, smart worker & ready to learn new technologies as per requirements.
- \* Hobbies: In free time interacting to family, friends & surfing internet to learn new ideas.
- **Weakness:** I've lot of fear, so sometimes I can't express my knowledge to others generally I'm open-minded.
- ❖ Languages knowing: Hindi, English, Sanskrit, Bhojpuri, Marathi, Urdu.
- ❖ **Present address: -** Sanjeevani Kunj 2<sup>nd</sup> Floor, 21/4 Raghoba Patil Nagar, Near Sainath Nagar Chowk, Mundhwa bridge Kharadi Road, Tehsil − Haveli, Kharadi, Pune, Maharashtra India 411014.
- Permanent address: House no. 10, Village & Post Office Nagpur, Police station Ranipur, Tehsil Muhammadabad Gohna, District Mau, Uttar Pradesh India 276402.

## **Declaration**

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Place: -

Date: - Signature