

# Deepak Rayathurai



## Professional Summary



## Employment history

### Solution Engineer, Fiserv Inc. Chennai

Sep. 2020 – Present

- Full stack development of web applications to augment the DevOps in the organization rather depending on tools.
- Developing customized modules in salt stack for configuration orchestration.
- Finding gaps and leveraging automation across various team of different regions in the organization.
- Analysis, Design, Development, Management, and Implementation of client-server, web-applications.
- Proposing the apt solutions and implementation for End-to-End Infrastructure automation.
- Enabling and catalyzing the team to drive toward the chaos Engineering.
- Enforcing the other teams to migrate to cloud.
- Educate and implement on 'Design for Failure' – understand how to build highly resilient applications which auto-scale and auto-fail over, auto-rebuild etc. address specific components (web vs. database)
- Open Code Initiative – Democratize all Code via GIT: cyber specification on which code should be hidden vs. Open (need to know)
- Infrastructure API – available to all, with documentation and proper operational support.
- Analyze information to determine, recommend, and plan installation of a new system or modification of an existing system
- Modify existing software to correct errors, to adapt it to new hardware, or to upgrade interfaces and improve performance.
- Direct software programming and development of documentation.
- Consult with customers or other departments on project status, proposals, or technical issues, such as software system design or maintenance.
- Collaborate with engineers or software developers to select appropriate design solutions or ensure the compatibility of system components.

## Personal info

Phone:  
8220885311

Email:  
deepakr6242@protonmail.com

Address:  
600117 (IN)

## Skills

### Rest Apl, Data Analytics



### HTMI5,CSS,ELK stack



### Python3.X



### Automation



### JavascriptAjax JQuery



### Problem Management and Change management BMC remedy

### AWS ,lambda, buckets,API gateway,Cognitos



### ORM



### Flask



- Provide technical guidance or support for the development or troubleshooting of systems.

Django



## Senior Associate, COGNIZANT TECHNOLOGY SOLUTIONS.

Chennai, TamilNadu

Sep. 2018 – Aug. 2020

- Investigate system component suitability for specified purposes and make recommendations regarding component use.
- Proposing the apt solutions and implementation for End-to-End Infrastructure automation.
- Driving the team to practice DevOps culture.
- Developing Pipelines in Jenkins for Continuous delivery and Integration for CI/CD.
- Validating the Relevant DevOps tools and prescribing the process for the adoption.
- Analyzing the need for the plugins and developing the required modules in salt stack in python.
- Voluntary Trainer for Devops Academy of the Organization(Cognizant Technologies)
- Delivered 120+ hours of training to Non programmers audience and successfully made them to clear the Internal assessments on saltstack and Configuration Management.
- Helped the Trainees to solve the conventional problems in Configuration management in their project through salt stack.
- Assisted the Academy team to create the technical standard operating procedures for salt stack, which comprise the real time issues in deployment, and solving it through salt stack.
- Delivered webinar session to cognizant on continuous deployments in salt stack.
- Delivered session on how the salt stack can be glued well for continuous testing.
- Developing salt formulas in python and Custom libraries for internal use.
- Lead my team in Azure hackathon by building a viable solution on Cognitive Platform indulging image Processing, Compression and predictive models.
- Other Training stacks of my career include Python-Django, Rest Api Development in python, ELK stack, Jenkins, VCS and some prominent services of AWS.
- Won master Performer award twice since Jan2019 for training associates and Creation of Content for Technical Training.
- Certified in Python for Data Science by IITM.
- Certified as AWS cloud practitioner, Jenkins Engineer, Google Cloud –G suite.
- Working partially as SREs to bring out better solutions and performance and reliability to applications.
- Participated in Microsoft caliber 2.0 hackathon under AI cognitive services and made to final round.

## Senior Software Engineer, Wipro Technologies. Chennai, Tamilnadu

Jul. 2011 – Aug. 2018

- Technical specialist for bank's digital applications such as Mobile banking, Internet Banking and other branch applications, encored on ZK framework for 3 years, which includes 2 Years of offshore and 4 years of onsite experience at South Africa Standard Bank.
- Writing and assisting team to write reusable, testable and efficient programs.
- *Provided training on the salt stack, Jenkins and Python to WIPRO Engineers through volunteer mentoring program.*
- *Spent 300+ manhours since 2017 in providing training on python and Devops tools.*
- Designing, developing and deploying the application and providing Solutions to bring innovative and worthwhile product to End Users.
- Writing watchers and Triggers in ELK stack to get the thresholds and Bottlenecks of the application
- Using APM in ELK stack to bring the developed Django Applications to achieve better scalability and take care proactive measures for security violations and organization defined security policies.
- Tunneled ELK stack to get the analysis on how automation of Quality engineering is practiced which enable the bank to get the statistics on the Digital transformation
- Enabled the Server logs to get stashed and monitoring using the logs and alerting the infrastructure team to take proactive measures.
- Conversion of Business excel data to Metrics and visualizations in Kibana.
- Adopting and ensuring the standards for the development platform and for the process in the project.
- Validation of UI to provide best UX to end Users.
- Code debugging and data fixes activities.
- Integrating multiple data sources and databases into one system
- Unit test and debugging skills
- Proficient understanding of Source version control systems like GIT, Bit Bucket, JIRA and Confluence.
- Generating MIS reports and documentation.
- Analyzing user inconvenience and bugs in the application.
- Conducting technical analysis with team to increase the performance of the applications.
- Fix advice to the other partner system development team and technical recommendations in Design and new application features.
- Identifying and fixing performance issues.
- Developing Programs and application as value add to automate the activities wherever and whenever possible using Python.
- Project Deployments, Post Deployments Support and Go Live Support.
- Root Cause Analysis for all critical, high and recurring Incidents in Bank Production Environment.
- Problem Management.
- Monitoring SLAs and adopting best practices to pursue it always.
- Escalating the Unresolved Issues at the right time and finding permanent resolutions to ensure the customer satisfaction all the time.
- To provide the analysis to Bank Authorized Users, including actions required to rectify the issue.

- Steps, Plans and Implementations to prevent the incident from re-occurring.
- Work closely with appropriate personnel to provide Progress reporting and effective Incident and Problem resolution in Production.
- Monitoring servers and taking proactive measures to ensure availability.
- Debugging Web Based Applications written in JAVA.
- Leading the team in competitive programs and went to second round of standard Bank Johannesburg Hackathon 2017.
- Learning new technologies and mentoring the team on the same and training technically and qualitatively.
- Developing relevant applications as plugin to enhance customer experience.
- Led Digital Lab in the organization which concentrates on Artificial Intelligence, Machine learning and Robotics Process Automation.
- Hands on in Amazon web services, Microsoft Azure solutions, and Selenium Web driver.
- Developed a mobile app using Power apps for standard bank users to provide their surveys on digital applications
- Led my team in competitive program and solved the problem of converting the customer feedback and sentiments into powerful business insights.



## Education

**KUMARAGURU COLLEGE OF TECHNOLOGY, Coimbatore,  
Tamilnadu**

**Bachelor Of Engineering, Electrical and Electroncis Engineering, Apr. 2011**