



Karthik Senthilkumar

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● ABOUT ME

- Completed Masters in Computing: Software Engineering at Dublin City University [2018-2019], Ireland.
- Holder of Bachelor of Engineering in Electronics and Communication Engineering, Madras Institute of Technology [2013-2017], Anna University.
- Total 3.3 years experience as a Technical Officer, Software engineer and Technical recruiter.
- Experience in the design and implementing automated build & deployment solution using Jenkins, Ubuild and UDeploy.
- Experience in using Git, Github, Gitlab, and Bitbucket.
- Managed JAVA, Angular JS and python application deployments.
- Experience on Cloud with AWS
- Experience with Docker Containers and Kubernetes.

● WORK EXPERIENCE

05/07/2020 - 31/05/2023 Chennai, India

TECHNICAL OFFICER - EXTROGATE IT SOLUTIONS, PVT LTD.

Project 1 :

Organization - Extrogate IT Solutions Pvt Ltd, India
Client - Liger Global Pvt Ltd, India.
Business Domain - Education Software Development.

Description:

- Delivering clients from Middle East, South Africa and Australia with a seamless software application for education, healthcare, and financial services.
- Setup Jenkins tool to integrate the JAVA project and maintained Jenkins with continuous integration and deployment.
- Worked with Kubernetes cluster in plain and managed installations. From installing, configuring to architecting and deploying microservices.
- Automated infrastructure provisioning using terraform, ansible and AWS cloud formation templates.
- Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Dockers, Maven and Bash.
- Creation of pipelines AWS DevOps from code checkout to delivery.
- Increased the product performance by converting a traditional server deployed frontend service to AWS Cloud Front distribution.
- Troubleshooting problems pertaining to build and deployment to the code and assisting in debugging runtime problems
- Amendment of code and maintenance on Github, Bitbucket.

Project 2 :

Organization	- Extrogate IT Solutions Pvt Ltd, India
Client	- KSA Consulting Tech
Business Domain	- Enterprise Resource Planning

Description:

- Working closely with Clients, Business analysts, Delivery and Operations for the development and implementation of Projects Strategy and Processes.
- One Business ERP has been designed to simplify everyday tasks of running a business within a single application.
- Worked on multiple modules to meet every business requirements and customized to meet the client requirements.
- ERP consists of end-to-end financial management for businesses of any size.
- Worked on the deployment of POS, Online store, Mobile App and Single Touch Payroll.
- Built collaborative working relationships with project teams.
- Real time insights with PowerBI and Tableau reports.

01/03/2018 - 31/07/2018 Hyderabad, India

SOFTWARE ENGINEER NEXT EDUCATION INDIA PVT LTD.

Description:

- Experienced working in teams with heavy emphasis on Automation, and Quality to build, deploy, monitor, scale, and automate the services on cloud and traditional fault-tolerant/ load balancing servers using Java Spring.
- Worked on the design of the web pages and data transfer through Angular JavaScript.
- Created the Micro-service based on RESTful architecture to handle the data flow from database.
- Supported data migration from MS SQL to PostgreSQL and corresponding application level changes.

● EDUCATION AND TRAINING

07/09/2018 - 04/12/2019 Dublin, Ireland

MASTERS IN COMPUTING (SOFTWARE ENGINEERING) Dublin City University.

Website <https://www.dcu.ie/>

01/05/2013 - 28/06/2017 Chennai, India

B.E IN ELECTRONICS AND COMMUNICATION ENGINEERING. Madras Institute of Technology

Website <https://www.mitindia.edu/en/>

● DIGITAL SKILLS

AWS (Cloud)	:	EC2, VPC, S3, IAM, SNS, SQS, Elastic Load Balancer, Auto Scaling, RDS, EBS, Cloud Watch, Cloud Front
DevOps Tools	:	GIT, Jenkins, Terraform, Docker, Kubernetes
Virtualization	:	VMware and Oracle Virtual Box

● ADDITIONAL INFORMATION

PROJECTS

05/01/2019 - 15/07/2019

Knowledge Base FAQ Chatbot: - Build and Analysis:

Description:

- Built a knowledge base based on the FAQ available on the Dublin City University's Website.
- Developed and designed a chatbot using Microsoft bot framework, Azure, Visual Studio.
- Published the Chatbot to the Cloud computing Service Microsoft Azure to be utilized via email, Skype and Messenger.

Technologies used: Java, Node.js, Microsoft Azure, QnA Maker, Ngrock, Yeoman tool, Bot Emulator, GITHUB.