

# Karthi Thangavel

## Software Engineer

Salem, Tamil Nadu

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As an AWS Certified Cloud Practitioner and Software Engineer with 4 years of experience, I specialize in Python, front-end technologies, and AWS. I have developed microservices, optimized AWS infrastructure, and built web applications using FastAPI and React.js.

Currently, as a DevOps Engineer at CBA India Private Limited, I manage DevOps tools, automate tasks, and create Power BI dashboards to enhance operations and customer engagement. My work consistently delivers high-quality software projects on time and within budget.

Willing to relocate to: Chennai, Tamil Nadu - Bengaluru, Karnataka

## Work Experience

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### Software Engineer

CBA India Services Private Limited-Bengaluru, Karnataka

May 2023 to Present

- Assisting engineers with DevOps tools like TeamCity, GitHub, BlazeMeter, Snyk, and Selenium Grid, and resolving tool-related issues with customers.
- Developing Python scripts for health checks and automating tasks such as user creation and assigning workspaces or roles.
- Supporting the engineering team and enhancing overall operations and efficiency.
- Developing Power BI dashboards to visualize team performance.
- Consistently recognized as the best engineer with high ratings from the engineering team.
- Completed the AWS Certified Cloud Practitioner exam.

### Software Engineer

Checktronix India Private Limited (A Lightcast company)-Dharmapuri, Tamil Nadu

October 2020 to April 2023

- Worked on enterprise-level applications using Python, Scrapy, boto3, Django, FastAPI, SQL Server, and MySQL.
- Developed a customer-centric web application using React, HTML, CSS, and JavaScript.
- Used AWS CloudFormation to manage resources like Lambda, EC2, S3, RDS, SNS, SES, Events, IAM, and CloudWatch.
- Created a web crawling pipeline in Python to crawl 5M postings from over 1000 sites.
- Addressed production challenges with minimal downtime.
- Knowledgeable in Agile methodologies, Test Driven Development, CI/CD pipeline, Linux command line, and Bash scripting.
- Acted as Scrum master, enforcing the team's requirement of 90% progress for each sprint.

### Software Engineer Intern

Checktronix India Private Limited (A Lightcast company)-Dharmapuri, Tamil Nadu

December 2019 to September 2020

- Created a solution to extract and visualize logs in real-time from Docker containers to monitor the API usages from clients with ELK stack.

- Had a strong fundamental in Cloud Computing and created DDL and DML SQL queries for Snowflake for holding around 9M records and built Python scripts to perform ETL operations on AWS.
- Had hands-on experience with Git workflow.

## Education

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### **Bachelor's degree in Computer Science and Engineering**

Government College of Engineering, Salem - Salem, Tamil Nadu

July 2017 to April 2020

### **Diploma in Computer Engineering**

Thiagarajar Polytechnic College, Salem

June 2014 to April 2016

## Skills / IT Skills

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- Python, FastAPI
- AWS CFT, Lambda, EC2, S3, RDS, SNS, SQS, SES, IAM, Secrets Manager, Cloudwatch, Events
- Git, Github, Github Actions, Gitlab, TeamCity
- Docker, Kubernetes
- SQL Server, Snowflake, MySQL
- HTML, CSS, Javascript, React
- Aha, Jira, Confluence
- Selenium Grid, BlazeMeter, Snyk

## Online Profile

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<https://www.linkedin.com/in/karthigces/>

## Certifications and Licenses

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### **AWS Certified Cloud Practitioner**

June 2023 to June 2027

<https://www.credly.com/badges/5f3b767e-9517-410e-858d-d43d324e731f>