

Dinesh Kumar N

Python, AWS Developer

CONTACT

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EDUCATION

Rajalakshmi Engineering College

B. E – Mechanical Engineering

Chennai | 2017 – 2021 – **82.3%**

S.D.A.V Higher Secondary School

Class – XII | 2015 – 2017 – **91.0%**

SKILLS

- Amazon Web Services (AWS)
- Python
- Data structures
- SQL, NoSQL
- AWS CDK
- Terraform
- Postman
- Splunk
- GitLab
- Git
- Docker
- JIRA
- Open API/Swagger
- Software Development
- Agile
- Unit Testing

CERTIFICATION

IDP Emerging Tech

OneTrust – Cookie Consent

ABOUT ME

Passionate software engineer with hands-on experience in Python and AWS services. Adept at designing, developing, and deploying scalable solutions in the edtech industry. Skilled in problem-solving and optimizing workflows, with a focus on enhancing user experience and delivering high-quality, efficient systems.

EXPERIENCE

Software Engineer | IDP Education Ltd – Sep 2021 - Current

- Worked on **Progressive Profile, Customer Profile, Biometric APP** and other various projects for the students and users, implemented new features, resolved bugs, and optimized performance and deep monitoring and cost optimization.
- Demonstrated a commitment to continuous learning by acquiring expertise in Python and Amazon Web Services (AWS)
- Hands-on experience in working with AWS resources like **Lambda, Step-functions, API gateway, SQS, SNS, S3, Cognito, DynamoDB, VPC, RDS, secrets, route53, CloudFront, AppConfig, CloudFormation, etc.**
- Experience in deploying AWS resources via **Terraform, AWS CDK V2, AWS CLI.**
- **Selected for a 3-month pilot project organized by IDP “Innovifi”. An R&D initiative for emerging technology.**
During the Emerging Tech R&D Initiative at IDP Education Ltd, I developed a minimum viable product (MVP) using Python, OpenAI, and FFmpeg. By gathering user insights, I ensured the MVP was a cost-effective, holistic solution. This proof of concept (POC) validated the product’s viability and alignment with user needs.
- In **Biometric APP** was a key backend developer with analyzing the needs, solutioning, adopting the security compliance which enabled faster verification experience during language test.
- **Voucher Code Management** - Was part of this project from initial POC to solutioning and development to provide effective way of creating vouchers , listing , validating and redemption.

Project Trainee | IDP Education Ltd – May 2021 – Sep 2021

- Learned SQL, PLSQL and worked on a project using PLSQL, basic JavaScript and Python.
- Participated in AWS and other training sessions related to new tools and techniques used on projects.