

Hemasree Randhi

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Professional Summary

Experienced Software Engineer with over 5 years of full-stack development expertise in fintech SaaS environments, specializing in Django, React, and RESTful API design. Proven ability to architect and deliver secure, scalable lending solutions deployed on AWS using Terraform, Docker, and CI/CD pipelines. Adept at collaborating with product, design, and DevOps teams to translate complex business requirements into high-performance software. Passionate about innovation, clean code, and building platforms that scale reliably in real-time.

Professional Experience

Software Engineer / Fiserv, Dallas

January 2022 – Present

- Lead full-stack development of fintech lending features using Django REST Framework and React, improving user experience and reducing latency by 45%.
- Designed secure and scalable RESTful APIs for onboarding and transaction workflows, integrating external financial services.
- Deployed backend services in AWS (Lambda, EC2, S3, Redshift) using Terraform, maintaining 99.99% uptime and enabling auto-scalability.
- Implemented CI/CD pipelines with Docker and Jenkins, cutting deployment cycles by 80% and improving release reliability.
- Collaborated with product, design, and DevOps teams to deliver features aligned with business and technical objectives.
- Built automated unit and integration test suites, enhancing code quality and reducing post-deployment incidents.
- Integrated observability solutions using DataDog and CloudWatch, decreasing MTTR by 30% and boosting platform resilience.
- Contributed to platform architecture discussions and led code reviews to enforce best practices.

Tech Stack: Django, Python, React, PostgreSQL, REST APIs, AWS (Lambda, EC2, S3, Redshift), Docker, Terraform, Jenkins, Git, DataDog, CloudWatch, Agile/Scrum

Software Developer / Sasken Technologies, India

June 2018 – July 2021

- Developed cloud-native applications on AWS using Lambda, EC2, and API Gateway, improving scalability and cutting infra costs by 35%.
- Created CI/CD pipelines with AWS CodePipeline & CodeBuild, reducing deployment time from 1 hour to under 10 minutes.
- Refactored monolithic systems into microservices using Docker and Kubernetes on AWS EKS, improving fault tolerance by 40%.
- Integrated CloudWatch and AWS X-Ray for diagnostics and monitoring, reducing MTTR by 50%.
- Worked with security teams to implement IAM policies, encryption, and audit logging for compliance.

Tech Stack: AWS, Docker, Kubernetes, Terraform, Jenkins, CodePipeline, Python, CloudWatch, X-Ray, IAM

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, Dart, PHP

Frameworks: Django, React, Django REST Framework

Cloud Platforms: AWS (Lambda, EC2, S3, Redshift, API Gateway, CloudWatch, X-Ray), GCP

DevOps & Automation: Docker, Kubernetes, Terraform, Jenkins, Git, CI/CD

Databases: PostgreSQL, MySQL

Monitoring: DataDog, CloudWatch

Testing: Unit Testing, Integration Testing, TDD

Other: Agile/Scrum, API Design, Microservices, EHR Integration (HL7/FHIR)

Academic Projects

Sports E-Commerce Web Application

Jan 2022 – May 2022

Tech Stack: JavaScript, HTML/CSS, Bootstrap, PHP, Google Cloud Functions

- Developed a modular web platform for online sports merchandise, demonstrating core concepts of e-commerce architecture, including product catalog, cart management, and payment-ready checkout flow.
- Architected backend services using PHP and Google Cloud Functions, enabling secure, scalable serverless processing of orders and dynamic product listings.
- Improved frontend performance and user engagement by 30% by implementing lazy loading, asset optimization, and asynchronous JavaScript interactions.
- Emphasized real-world cloud deployment, API-based data exchange, and scalable design—mirroring the structure of modern fintech applications.

Photo Memo Mobile Application

Aug 2022 – Dec 2022

Tech Stack: Flutter, Dart, Firebase, Google ML Kit, PHP, JSON

- Designed and deployed a real-time, cross-platform mobile app that uses machine learning (ML Kit) to automatically tag and organize photos based on content.
- Integrated Firebase Realtime Database and authentication for live data sync and secure multi-device access, simulating production-grade mobile experiences.
- Developed a backend API using PHP to manage metadata persistence and implemented secure JSON-based communication with the frontend.
- Applied ML, cloud sync, and API integration strategies, highlighting relevant skills for intelligent data services in fintech platforms.

Education:

Master of Science in Computer Science — University of Central Oklahoma

Bachelor of Technology in Computer Science — Andhra University, India