

# Shiva Teja

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## PROFESSIONAL SUMMARY

Python Full-Stack Engineer with 3.5 years of experience developing end-to-end web applications using Django and React.js. Skilled in designing microservices, integrating third-party APIs, and optimizing performance. Proven ability to deploy scalable solutions on AWS and maintain high code quality through testing.

## EDUCATION

### Aurora's Technological Research Institute

Bachelor of Technology in Information Technology; GPA: 7.5/10.0

Hyderabad, India

Jun 2018 – Jun 2022

## WORK EXPERIENCE

### VassarLabs

Software Engineer I / Python Full-Stack Engineer

Hyderabad, India

Apr 2022 – Present

- Led the design and implementation of Django-based microservices architecture, ensuring modular and scalable backend solutions
- Integrated third-party service providers (Twilio, Infobip, SendGrid) via Python SDK to enable robust communication features
- Implemented identity and access management (IAM) using Keycloak with Role-Based Access Control (RBAC) for user permissions
- Developed React.js front-end components with Hooks, Context API, and Redux to enhance user experience and maintainability
- Built reusable component libraries with styled-components and ensured responsive design across devices
- Employed TypeScript in React for type-safe code, reducing runtime errors and improving developer productivity
- Optimized front-end performance through code-splitting, lazy loading, memoization, and virtualization, reducing initial load times by 30%
- Used React Testing Library and Jest for unit and integration testing of UI components, achieving 90% code coverage
- Implemented comprehensive monitoring and observability using Datadog (APM, Logs, Metrics), enabling proactive alerting and reducing MTTR by 25%
- Utilized AWS services (S3 for storage, Lambda for serverless tasks, EC2 for compute) to enhance scalability and resilience

### Rtechno Solutions

Web Developer Intern

Hyderabad, India

Aug 2021 – Dec 2021

- Developed responsive web applications using PHP, JavaScript, and CSS3, collaborating with designers to enhance UI/UX
- Managed MySQL/PostgreSQL databases for dynamic content and implemented database optimization techniques

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript, TypeScript, SQL

**Backend Frameworks:** Django, Flask, Django REST Framework (DRF)

**Front-End Frameworks:** React.js, Node.js

**Web APIs:** REST, WebSockets

**Databases:** PostgreSQL, MySQL, MongoDB, Redis

**Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS), Docker, Kubernetes, GitHub Actions

**Monitoring & Testing:** Datadog, Jest, React Testing Library, Unit Testing, Integration Testing

**Methodologies:** Agile/Scrum, CI/CD, Microservices, OAuth2/SSO

## KEY PROJECTS

### Kredos AI - Credit Scoring Platform | Python, Django, React.js, Microservices, AI/ML, Financial Technology

2023

- Architected and developed a microservices-based credit scoring platform using Django REST Framework and React.js, implementing scalable architecture and automated testing
- Built scalable microservices for risk assessment, data processing, and decision-making workflows with real-time API integrations
- Designed and implemented real-time dashboard analytics with interactive data visualization and automated reporting systems for financial insights

### Identity Management System | Python, Django, React.js, Keycloak, Security

2022

- Integrated Keycloak for centralized authentication and authorization with Role-Based Access Control (RBAC)
- Developed custom UI components for user management, role assignment, and security administration