

Vinoth Mani

Full Stack Developer

PROFESSIONAL WORK EXPERIENCE

Software Engineer

June 2022 – December 2022

Blockalytics, Atlanta, GA

- Architected microservices, developed Python microservices using Docker containers, and ensured adherence to web standards for client UI.
- Led backend REST API development using Flask, achieving a notable 71% productivity surge for seamless frontend integration.
- Established CI/CD pipelines with GitHub Actions and AWS, boosting software stability by 89%. Ensured robust version control, mitigated deployment risks, and reduced lead times.
- Engineered an efficient Python-based automated build system from scratch, reducing build time and manual work by 99%.
- Enhanced software integrity with a Nuitka-based security tool development while maintaining 100% software quality with pytest.
- Crafted responsive UIs using HTML, CSS, ReactJS and 10% enhanced overall usability.
- Created a Python library and deployed it to the Gemfury repository. Integrated the library seamlessly with the Keygen library management system.
- Leveraged Redis for storing session data, ensuring quick and efficient access to user-related information.
- Effectively coordinated client application deployments with a 95% success rate, actively contributing to project success and providing ongoing support for the product.

Associate Software Engineer

November 2018 – September 2021

Scientific Games, Chennai, India

- Spearheaded a 1.9% revenue increase and 4% product sales surge by developing a cloud-hosted web game app with JavaScript and Django.
- Orchestrated a 28% user base expansion for a casino platform through advanced JavaScript enhancements, leveraging Leaflet.js and TypeScript to elevate gaming experiences and market competitiveness.
- Achieved a notable 19% UI improvement in poker and slot games, optimizing performance by deploying on Amazon Web Services.
- Configured middleware components in Django for handling various aspects of request/response processing.
- Revolutionized game development by optimizing build systems in Python, and shell scripts, achieving a 100% improvement in OS compatibility and build time.
- Improved efficiency and scalability by streamlining workflows, introducing an augmented reality treasure hunt feature in gaming solutions.
- Resolved issues and introduced a 6% faster card shuffling feature, enhancing UI rendering and functionality using PixiJS 2D WebGL renderer.
- Mentored interns on Agile methodologies, fostering a collaborative environment that stimulated creativity. Guided them in resolving advanced technical problems in Python, AWS, and Docker.
- Elevated project outcomes with a strategic initiative, yielding a substantial 30% improvement in overall code quality.

CONTACT

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- LinkedIn | GitHub | Portfolio

SKILLS

Backend development:

- Python
- Rest API, pytest
- Flask, Django, RASA
- Nuitka, Automated Testing

Database:

- MongoDB, Firebase
- Redis, SQL

Front end:

- ReactJS, JavaScript, HTML, CSS

CI CD / Version Control System:

- Packer, GitHub Actions
- GitHub, Perforce

Cloud:

- AWS – EC2, IAM, DNS, S3, Route 53, CloudFormation, RDS, VPC, CloudWatch, SNS, SES, SQS, Lambda, Code Deploy, DynamoDB

Tools / Techniques / Others:

- Docker, Postman, VS code
- Meld, Swarm, Jira, keygen
- Curl, Confluence, Gemfury
- Python library/tools development
- Agile, System Design, OOPS
- Linux/Mac/Windows

EDUCATION

Northeastern University

Master of Science

Software Engineering Systems

Boston, MA — December 2023

Anna University

Bachelor of Engineering

Computer Science Engineering

Chennai, TN, India — March 2018

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate
- RASA AI Chatbot Developer