shivkumar201415@gmail.com

www.linkedin.com/in/shiv-
kumar-201415 (LinkedIn)
theshiva.tech/ (Portfolio)
x.com/ShivKumar_0511 (Other)

Top Skills

Python (Programming Language)
Responsive Web Design
Jest

Certifications

GCP Essentials Badge
CodeChef Certified Foundation Level
Exam
Kubernetes in the Google Cloud
Badge
Getting Started with Google
Kubernetes Engine

Honors-Awards

CodeVita 2017 Round 1
CodeVita 2017 Round 2
LIREL Award

SHIV KUMAR

Staff Software Engineer at Avathon. Expertise in Javascript, React,
Python
Bengaluru, Karnataka, India

Summary

I am a Staff-level Full-Stack Software Engineer with 7.5+ years
of experience building and scaling production systems end-to-
end — from system design and backend architecture to frontend
engineering, cloud deployment, observability, and security.

My core strength lies in designing scalable, maintainable distributed
systems using Java (Spring Boot) and Python, paired with modern
frontend frameworks like React, Next.js. I have deep experience
owning features across the entire lifecycle — requirement design,
API contracts, data modeling, performance optimization, CI/CD,
monitoring, and production support.

On the platform side, I have hands-on experience with AWS
(S3, CloudFront, EC2, Lambda, CloudWatch etc), implementing
logging, metrics, and alerting using tools like CloudWatch, ELK,
EFK, and Sentry to ensure reliability and fast incident resolution.
I strongly value security-first design, applying JWT/OAuth-based
authentication, role-based access control, secure API design, and
best practices around secrets and infrastructure configuration.

While I started with a strong frontend foundation, my work today
spans backend services, microservices architecture, data flow
design, observability, and system scalability, alongside mentoring
engineers and driving technical decisions at a team and org level.

I enjoy solving complex engineering problems, building high-impact
platforms, and working on systems where correctness, performance,
and user experience all matter.

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Experience

Avathon
Staff Software Engineer

October 2025 - Present (5 months)
Bengaluru, Karnataka, India

System & Backend Architecture

- Designed and scaled backend services and APIs using Python, supporting complex enterprise workflows and high-volume data processing.
- Contributed to service decomposition, API contract design, and data modeling, ensuring long-term maintainability and scalability.

Frontend Architecture & Platform Engineering

- Led frontend architecture initiatives including micro-frontend adoption to enable independent deployments and team autonomy.
- Designed scalable UI architecture with emphasis on performance, state isolation, and cross-app consistency.
- Built internal frontend tooling for build optimization, environment configuration, and shared component governance.
- Integrated analytics, distributed tracing, and structured logging across frontend applications to improve observability and user-journey visibility.
- Established performance monitoring and error tracking practices to proactively reduce production regressions.

Cloud & Deployment

- Worked closely with cloud-ops teams to deploy services on AWS, leveraging S3, EC2, Lambda, and CloudFront.
- Supported CI/CD pipelines and release workflows, ensuring safe rollouts and fast recovery.

Observability & Reliability

- Implemented structured logging, metrics, and alerting using CloudWatch, ELK, and Sentry, improving mean-time-to-detect and resolve production issues.
- Actively participated in incident debugging, root-cause analysis, and performance tuning.

Leadership

- Mentored engineers on system design, code quality, and production readiness.
- Reviewed architecture proposals with a focus on scalability, security, and operational excellence.

FinBox

Senior Software Engineer
June 2025 - October 2025 (5 months)
Bengaluru, Karnataka, India

Entropik
Senior Software Development Engineer
April 2023 - August 2025 (2 years 5 months)
Bengaluru, Karnataka, India

• Lead and mentor a team of developers to foster growth and efficiency.
• Designed insights for UX prototype testing using React and Canvas, introducing innovative visualizations like heatmaps for user engagement.
• Implemented advanced features, including Eye Tracking Technology for mobile apps and a real-time presentation editor with Tiptap and ProseMirror.
• Built a customizable video player leveraging React Player, enhancing the playback experience for user recordings.
• Solved complex issues, such as debugging browser inactive tab timers.
• Modularized CSS using Styled Components, improving reusability and reducing style conflicts.
Tools: React.js, Redux, Chakra UI, Node.js, Azure, GitHub, Postman.

Zenius
Senior Software Development Engineer
August 2021 - April 2023 (1 year 9 months)

• Led a team to build and optimize the Zenius.net platform, enhancing onboarding experiences for users.
• Developed a Learning and Payment Management System from scratch using Webpack Module Federation.
• Significantly improved SEO and user interaction by refining UX and UI designs.
• Deployed and configured the Next.js app on AWS S3 with CloudFront, ensuring scalability and high performance.
Tools: Next.js, React.js, Redux, Material UI, Apollo Client, Node.js, JIRA, GitLab, Postman.

Poshmark
2 years

Software Engineer II, Web Applications
April 2021 - August 2021 (5 months)
Chennai, Tamil Nadu, India

• Migrated application pages from Ruby on Rails to Vue.js, enhancing performance and maintainability.
• Developed a customer query resolution system using React, improving support efficiency and user satisfaction.
• Optimized web application performance, SEO, and product listing user experience, contributing to enhanced platform usability.
Tools: Vue.js, React.js, Redux, Reactstrap, Postman, JIRA, GitHub.

Software Engineer I, Web Applications
September 2019 - April 2021 (1 year 8 months)
Chennai

Tata Consultancy Services
Assistant System Engineer (Full Stack Developer)
July 2018 - September 2019 (1 year 3 months)
Chennai Area, India

*. Migrated an Angular 4 application to React Material UI, enhancing scalability and performance.
• Implemented JWT authentication for session management, improving security and user experience.

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Education

Techno Main - Salt Lake
B.Tech, Computer Science and Engineering · (2014 - 2018)

s.k college sikandra
+2, Science · (2011 - 2013)