

# Sputhnik Gundu

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## SUMMARY

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Full Stack Developer with 5 years of experience building scalable enterprise applications using React, Java, Spring Boot, and microservices architecture. Proven expertise in designing and implementing RESTful APIs, optimizing SQL databases, implementing Redis caching solutions, and deploying applications on AWS and Azure cloud platforms. Strong track record of collaborating with Product Owners, Architects, and QA teams to deliver high-quality solutions following Agile/Scrum methodologies and DevOps best practices. Experienced in troubleshooting and resolving technical issues across the full application stack.

## TECHNICAL SKILLS

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**Backend:** Java (5 years), Spring Boot (5 years), Spring MVC, Spring Data JPA, Hibernate, Microservices Architecture  
**Frontend:** React.js (5+ years), Next.js, TypeScript (5+ years), JavaScript, Redux, React Hooks, Responsive Design  
**API Development:** RESTful APIs, GraphQL, Swagger/OpenAPI, API Gateway, WebSocket, OAuth 2.0, JWT  
**Databases & SQL:** PostgreSQL, MySQL, Oracle, SQL Query Optimization, Database Design, Stored Procedures, Indexing  
**Caching & Performance:** Redis (3+ years), Apache Kafka, RabbitMQ, Performance Optimization, Caching Strategies  
**CSS & Styling:** CSS3, Styled-Components, CSS Modules, Sass/SCSS, Tailwind CSS, Flexbox, Grid  
**Cloud & DevOps:** AWS (EC2, S3, RDS, Lambda), Azure (App Services, AKS), Docker, Kubernetes  
**Tools & CI/CD:** Git/GitHub (7+ years), Jenkins, GitLab CI/CD, Maven, Gradle, Webpack, Vite  
**Testing:** JUnit (6+ years), Mockito, Jest (4+ years), React Testing Library, Cypress, TDD, Integration Testing

## EXPERIENCE

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### AT&T (Contract)

Software Developer

Richardson, TX

Aug 2025 – Present

- Develop and maintain scalable full stack applications using React with TypeScript for frontend and Java Spring Boot for backend microservices, serving over 2 million users across AT&T business applications.
- Design and implement RESTful APIs using Spring Boot with comprehensive Swagger documentation, input validation, error handling, and API versioning. Built 15+ endpoints for data exchange and system integration with third-party services.
- Optimize SQL database performance in PostgreSQL by designing efficient schemas, creating composite indexes, writing complex queries with joins and subqueries, and implementing database migrations. Reduced query execution time by 40% through optimization strategies.
- Implement Redis caching solutions for frequently accessed data, reducing database load by 60% and improving API response times from 800ms to 200ms. Configure cache eviction policies and TTL strategies for data consistency.
- Build modular React components using TypeScript following micro frontend architecture with Webpack Module Federation. Developed reusable component library with 50+ components shared across applications.
- Implement responsive user interfaces using CSS, Flexbox, and Grid to transform design mockups and Figma wireframes into functional layouts with consistent styling patterns.
- Deploy and manage applications on AWS using EC2, S3, RDS, and CloudWatch for monitoring. Configure auto-scaling groups and load balancers for high availability and performance.
- Troubleshoot and resolve technical issues across full application stack by analyzing logs, debugging Java backend services, and optimizing React frontend performance using Chrome DevTools.
- Follow coding best practices including code reviews, documentation, and adherence to team standards. Mentor junior developers on Spring Boot and React development patterns.

### The Hartford(via TCS)

Senior Software Developer

Bengaluru, India

Dec 2021 – Dec 2023

- Led development of full stack insurance subscription platform using React frontend and Java Spring Boot microservices backend, supporting 500K active users with 99.8% uptime and high transaction volumes.
- Designed and implemented 20+ RESTful APIs using Spring Boot and Spring Data JPA for policy management, billing, and claims processing. Implemented pagination, filtering, sorting, and comprehensive error handling for production-grade APIs.

- Architected microservices architecture using Spring Boot with service-to-service communication via REST and asynchronous messaging with Apache Kafka. Implemented event-driven workflows and distributed transaction patterns.
- Optimized MySQL database performance by analyzing slow query logs, creating composite indexes, refactoring N+1 query problems, and writing efficient SQL queries. Designed normalized database schemas following 3NF for policy and customer data.
- Implemented comprehensive Redis caching strategy for session management, API response caching, and rate limiting. Configured Redis Sentinel for high availability and reduced database queries by 55%.
- Built micro frontend architecture using Webpack Module Federation for dynamic module loading and improved page load performance. Developed TypeScript-based component library documented in Storybook for team adoption.
- Implemented responsive layouts using CSS Modules and Sass following BEM naming conventions. Created maintainable styling architecture across application modules with consistent design patterns.
- Integrated backend microservice APIs with React frontend, implementing robust data fetching patterns, error handling, and state management using Redux for complex application state.
- Deployed applications on Azure using App Services and Azure Kubernetes Service (AKS) for container orchestration. Configured Azure DevOps pipelines for automated CI/CD with quality gates.
- Collaborated effectively with Product Owners on requirement gathering, Architects on technical design decisions, and QA teams on testing strategy and defect resolution in Agile environment.
- Created comprehensive testing framework using JUnit and Mockito for backend services, Jest and React Testing Library for frontend components, achieving 85% code coverage integrated into CI/CD pipeline.
- Implemented monitoring solutions using Prometheus and Grafana for tracking API performance metrics, error rates, and system health. Set up alerts for proactive issue detection.
- Troubleshoot complex production issues by analyzing application logs, database query performance, and distributed tracing across microservices. Reduced mean time to resolution by 35%.

## Scaler

Bengaluru, India

*Software Engineer - React*

*Jan 2020 – Dec 2021*

- Developed full stack features for edtech platform using React, TypeScript frontend and Node.js/Express backend with RESTful APIs, serving 100K+ daily active users with real-time analytics capabilities.
- Built and maintained RESTful APIs using Node.js and Express for user management, course enrollment, and payment processing. Implemented standardized error handling, request validation, and API documentation.
- Designed and optimized MongoDB database schemas for user profiles, course content, and assessment data. Created efficient aggregation pipelines for analytics queries and implemented compound indexes for performance.
- Implemented Redis caching for frequently accessed course content, user sessions, and leaderboard functionality. Reduced database queries by 50% and improved API response times significantly.
- Created analytics dashboards using React and TypeScript with data visualization components built using CSS Grid and Flexbox for responsive layouts. Integrated with backend APIs for real-time data updates.
- Developed component library with React and CSS (Styled-Components, CSS Modules) documented in Storybook. Collaborated with UX team to implement mobile-first responsive designs following design system guidelines.
- Implemented real-time features using WebSocket connections for live streaming functionality and interactive experiences. Managed connection state and implemented reconnection logic for reliability.
- Optimized frontend builds using code splitting, lazy loading, and tree shaking with Webpack to improve load times. Reduced bundle size by 40% through performance optimization techniques.
- Set up CI/CD pipelines using Git and Jenkins for automated testing and deployment. Containerized applications using Docker and deployed on AWS infrastructure.
- Wrote comprehensive unit and integration tests using Jest for backend and React Testing Library for frontend. Implemented Cypress end-to-end tests for critical user workflows.
- Troubleshoot production issues, analyzed performance bottlenecks, and optimized database queries. Collaborated with QA team on bug fixes and quality assurance processes.

## EDUCATION

### University at Buffalo

Buffalo, NY

*Master of Science in Computer Science*

*Jan 2024 – May 2025*

### National Institute of Technology, Andhra Pradesh

Andhra Pradesh, India

*Bachelor of Technology in Computer Science*

*Jun 2016 – Jun 2020*

## KEY PROJECTS

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### **Microservices E-Commerce Platform** | *Java, Spring Boot, React, PostgreSQL, Redis, Kafka*

- Architected full stack e-commerce application with React frontend and Spring Boot microservices backend including Product Service, Order Service, and Payment Service.
- Implemented RESTful APIs using Spring Boot with Swagger documentation. Designed PostgreSQL database schemas and implemented Redis caching for product catalog and sessions.
- Set up Kafka message broker for asynchronous order processing. Containerized services with Docker and orchestrated with Kubernetes. Implemented CI/CD pipeline using Jenkins.

### **Real-Time Analytics Dashboard** | *React, TypeScript, Spring Boot, Redis, WebSocket*

- Built real-time analytics platform using React, TypeScript, and Spring Boot processing high-volume events with Redis Streams for data aggregation.
- Implemented WebSocket connections using Spring WebSocket for pushing real-time updates to React dashboard. Optimized SQL queries for time-series data analysis.

## ADDITIONAL EXPERIENCE

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**Problem-Solving Skills:** Strong analytical and debugging abilities with experience troubleshooting complex issues across full stack. Solved 250+ algorithmic problems on coding platforms.

**Communication Skills:** Excellent written and verbal communication skills demonstrated through effective collaboration with cross-functional teams, technical presentations, and comprehensive documentation.

**Agile/Scrum Experience:** 5+ years working in Agile environment with experience in sprint planning, daily standups, retrospectives, and continuous improvement practices.

**Mentorship & Leadership:** Mentored junior developers on full stack best practices, conducted code reviews, and contributed to team coding standards and documentation.