

Shrikrishna P Bhat

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EDUCATION

- **Portland State University** Portland, OR
Masters in Computer Science; GPA: 3.89/4 Sep 2022 - Mar 2024
- **Shri Dharmasthala College of Engineering and Technology** Dharwad, India
Bachelor of Engineering in Computer Science; GPA: 8.79/10 Aug 2015 - Jun 2019

SKILLS SUMMARY

- **Languages:** Python, C/C++, JavaScript, TypeScript, Go, Java, Rust, OCaml, SAP ABAP, SQL, NoSQL (MongoDB)
- **Frameworks:** React, Vue, Node.js, Flask, PyTorch, TensorFlow, Scikit-learn, Spring, gRPC, GraphQL
- **Tools & Platforms:** Docker, Kubernetes, Jenkins, Git, AWS (EC2, S3, Lambda, RDS), Google Cloud, Unix/Linux, Agile-Jira

EXPERIENCE

- **LearnEx Digital** Bangalore, India
Application Developer Oct 2025 – Present
Frontend & Web Systems Development: Contributed to the development and optimization of LearnEX's e-learning website, improving page responsiveness by 35% and reducing bounce rate by 18% through SEO-focused UI design and accessibility enhancements.
Software Debugging & Optimization: Assisted in debugging and optimizing a Python-based Process FMEA software, resolving data-flow issues that enhanced processing speed by 25% and reduced runtime errors.
- **AudioBVI Education - Audemy** Virginia, USA
Lead Web Developer Sept 2024 – Sept 2025
Backend Systems Architecture: Designed an event-driven, serverless backend using JWT-based authentication and Prisma ORM with PostgreSQL, enabling secure, modular architecture.
API-First Development: Built modular, RESTful API layers using Node.js and Vue.js within a microservices architecture, enabling plug-and-play AI/ML integration and supporting 100K+ daily requests across multi-platform clients.
AI/ML and Voice Interface Integration: Embedded real-time voice interactions using Google Cloud Speech-to-Text; integrated OpenAI GPT APIs for adaptive learning workflows. Optimized Whisper for edge inference using ONNX/OpenVINO, enabling fast, low-resource transcription.
Cloud-Native Infrastructure: Enabled fault-tolerant, autoscaling infrastructure for 5K+ concurrent users by containerizing services with Docker, implementing load balancing, and orchestrating deployments on GKE.
DevOps and Automation: Engineered GitHub Actions pipelines for linting, testing, and zero-downtime blue-green deployments across AWS and GCP infrastructure.
Work Sample: Audemy Website: An accessible education platform leveraging AI-driven tools. | <https://audemy.org/>
- **Accenture** Bangalore, India
Application Development Analyst Jun 2019 - Jun 2021
SAP IDoc Automation and Monitoring: Led a 4-member team to automate SAP IDoc job scheduling and monitoring, improving delivery and invoicing efficiency within Agile teams.
Incident and Ticket Resolution: Successfully resolved over 500 tickets in ServiceNow, including high-priority incidents, consistently meeting SLAs. Recognized for ensuring timely code deployment and problem resolution using JIRA, with multiple client commendations.
SHPMNT IDoc Development: Engineered a custom SAP Business Application Programming Interface (BAPI) for generating large volumes of SHPMNT IDocs in Material Management on the S4/HANA platform, enhancing scalability.
Change Management & Test-Driven Development (TDD): Led the implementation of change management processes using ServiceNow, coordinating with cross-functional teams. Adopted TDD to ensure high-quality, bug-free code in large-scale SAP projects.
National Broadband Network (NBN) Integration: Designed and deployed secure network connections for the NBN, Australia's national wholesale broadband network, enhancing security and service delivery to residential users.
SAP BAPI for DOJ, Australia: Developed large-scale invoice generation software using SAP ABAP for the Department of Justice, Australia, contributing to more efficient financial operations.

PROJECTS

- **Embedded Rust for ESP32 and BBC micro:bit** | github.com/master-of-none/rust Jan 2026
Developed bare metal firmware for ESP32-C6 RISC-V and ARM Cortex-M4 microcontrollers using embassy-rs async executor and no_std embedded HAL. Implemented I2C peripheral drivers, GPIO interrupt handling with type-safe memory management and zero-cost async/await abstractions.
- **Blogger using Go** | <https://github.com/master-of-none/rest-auth> Jul 2024
Engineered a scalable blogging platform using Go, incorporating load balancing and caching for high-performance data processing. Built a system of RESTful web services and deployed it in a containerized environment with Docker and Kubernetes.