BHARATH KRISHNA

Full Stack Engineer & AgenticAI Specialist

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PROFESSIONAL SUMMARY

Full stack engineer with 15+ years of experience building AgenticAI solutions and managing HPC clusters for ML/LLM operations. Expertise spans LLMOps pipelines, model serving infrastructure, and API development with proven Kubernetes and Infrastructure-as-Code competency.

LLMOps	DevOps	AgenticAI	HA Systems	Agile/Scrum

TECHNICAL SKILLS

Programming	Python (15 yrs), Golang (7 yrs)
Frontend	React, NextJS, ChakraUI
Infrastructure	Kubernetes (CKA), Ansible, Terraform, GCP, Docker
Backend	FastAPI, Gin Gonic, PostgreSQL, MongoDB

WORK EXPERIENCE

Senior Software Engineer

Rakuten USA

May 2022 – Present

- Building AgenticAI solutions and LLM deployment management
- Developing UI/API/CLI tools for HPC cluster training job submission
- MLOps pipeline setup and high-performance Kubernetes cluster maintenance
- Infrastructure automation using Terraform/Ansible; Keycloak IAM management
- Custom Kubernetes operator development and team leadership

Application Engineer

Rakuten, Inc. — Tokyo

Jan 2018 – May 2022

- Infrastructure-as-Code development with Terraform/Ansible
- Custom Terraform plugin and GoLang SDK development
- REST API toolkit development (FastAPI/Gin) and authentication services
- Load testing and test case implementation

Application Engineer
Rakuten India
Sep 2014 – Dec 2018

- API development for IaaS (VMware), DNS (Nominum), and Load Balancers (BigIP)
- Led 3-member team as Scrum Master
- Job automation via Apache Airflow

Associate IT Consultant
ITC Infotech / Bosch
Jan 2014 – Sep 2014

- SCM tools automation (MKS/ClearQuest)
- PERL synchronization script development

Software Engineer
eHover Systems
Apr 2013 – Jan 2014

- Cloud-based surveillance system development (AWS S3/EC2/ZoneMinder)
- Web interface for surveillance data access using PHP and CodeIgniter

Project Assistant
Kuvempu University
Apr 2011 – Apr 2013

- Perl module development for molecular dynamic simulations
- SBML file analysis web application using Python/LibSBML bindings
- Technologies: BioPython, BioPerl, LibSBML, Gromacs

Software Developer Intern
IBAB
Sep 2010 – Feb 2011

- Mammalian Gene Expression Database development
- Bio-curator data web application using Perl, MySQL, JavaScript

EDUCATION

M.Sc in Bioinformatics — Kuvempu University, Karnataka
Focus: Genomics, Drug Discovery, Protein Engineering

B.Sc in Biotechnology — Kuvempu University, Karnataka
Majors: Biotechnology, Botany, Computer Science

CERTIFICATIONS

- Certified Kubernetes Administrator (CKA)

ADDITIONAL

Languages: English, Hindi, Kannada, Telugu   **Interests:** Gardening, Movies