Yash Priyadarshi

Software Engineer 2 YOE, MS in CS

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EDUCATION

The Pennsylvania State University | University Park, PA
Masters of Science, Computer Science Engineering

Aug 2024 - May 2026
GPA: Not yet available

Vellore Institute of Technology | Vellore, India
Bachelor of Technology, Computer Engineering

July 2018 - May 2022
CGPA: 8.99/10

WORK EXPERIENCE

Software Engineer
Ericsson

Feb 2023 - July 2024
Bengaluru, India

- Engineered and deployed the "Automatic Site Deployment" project using Python, YAQL, and Go, meeting critical requirements for AT&T and CNIS, reducing manual intervention by 80%.
- Conducted comprehensive vulnerability assessments on CCD products, mitigating 95% of identified risks; resolved critical bugs, enhancing product security and reducing incident reports by 40%.
- Designed and automated PDB health check using Go for CCD Bare Metal and CAPO environments. Ensured thorough functionality through unit testing and comprehensive documentation via 100% ownership.
- Created the Pre-Upgrade Resource check feature for CCD IBD to ensure proper resource values before upgrades.
- Mentored a new intern on Ericsson's ADP product "Kube State Metrics", resolving 5 release-blocking activities in 3 months, improving release timelines by 20%.

Graduate Engineer Trainee
Ericsson

Aug 2022 - Jan 2023
Bengaluru, India

- Managed containerized applications on Ericsson products using Kubernetes, Helm, and OpenStack heat deployments.
- Contributed to Ericsson's KSM v2.4.0 release, ensuring compliance with design rules, managing dependencies with FOSSA/MUNIN, and performing post-release activities.
- Fixed 10 bugs per bi-weekly sprint, ensuring smooth operations and cutting incident response times by 15%.

Cloud SDN Intern
Ericsson

Jan 2022 - June 2022
Bengaluru, India

- Worked as an R&D Intern in Ericsson's OMC Team, developing the OMC 2.0 Simulator with SDI and CEE devices.
- Built the simulator using SwaggerAPI 3.0 and Flask, containerized with Docker, and scaled using Kubernetes. Tested API endpoints with Postman and managed version control using Git and Gerrit.

PROJECTS

PDB Health Check

- Ensured Pod Disruption Budget (PDB) limits were met before upgrades in a Kubernetes cluster, preventing CCD upgrade failures by 40%.
- Delivered using Go, this feature is a crucial part of CCD, packaged as part of CNIS, used by 75% of cellular service providers globally.

Automatic Site Deployment

- Automated deployment of CCD BM clusters using Python; developed primary templates and scripted input compositions, achieving 82% unit test coverage with Pytest, reducing manual deployment time by 70% and errors by 60%.

SKILLS

Programming Languages: C++, Python3, Shell, Go, JavaScript, YAML, HTML5, CSS, YAQL, LaTeX, Dart
Database tools: NoSQL, MongoDB, JSON
Backend Frameworks: Flask, FastAPI, Node.js, Express.js, PyMongo, Mongoose, Pytest, Flutter
ML Frameworks: TensorFlow, Keras
DevOps tools: Docker, Kubernetes, Helm, Ansible, Heat Orchestration Templates, Robot Framework, Linux
Project Management Tools: Jenkins, Git, GitHub, Agile, JIRA, Atlassian Confluence