DEVIKA VISHNU

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Education

BTech in Computer Science and Engineering | PES University, Bangalore   **2016 - 2020**
- *Specialization in Algorithms and Computing Models*
- *CGPA 8.1/10 - First Class with Distinction and Merit Scholarship*

Skills

Programming Languages: C, C++, Go, Java, Python
Technologies: Kubernetes, Docker, Linux, Vsphere, XenServer, Microsoft Windows Failover Cluster, Git, GDB

Work Experience

Zscaler, Bangalore   **Sep 2023 onwards**
Software Engineer II, Zscaler Digital Experience Team   *[C, GDB]*
- Developed features to improve response efficiency for the Telemetry and Policy Gateway (TPG):
- Improved robustness and availability by increasing TPG's cache efficiency for the common data store.
- Designed TPG's health monitoring of Event Hubs to flag issues in reporting user metrics data to Microsoft ADX.
- Enhanced analytics of Apple devices by implementing richer devices parameters in the API design.

Cloud Software Group (Formerly Citrix), Bangalore   **Jan 2023 - Aug 2023**
Software Engineer II, Citrix Gateway On-Prem Team   *[C, GDB]*
- Resolved critical customer issues of stale authentication sessions in NetScaler's multi-core environment.
- Improved debuggability of Authentication Analytics Engine by correcting unreliable debug counters in NetScaler.
- Enhanced the syslogs to identify critical code paths in customer logs, reducing time-to-resolution of issues.

Hewlett Packard Enterprise (HPE), Cloud Data Services, Bangalore   **Sept 2020 - Dec 2022**
Cloud Developer I, File Services Team   *[Go, Python]*
- Developed microservice to process File Share metadata from array and place onto Kafka queue for analysis by Druid
- Implemented the retrieval of configured Remote Replication policies on HPE Alletra for its Concorde UI.
- Mentored a team of three interns to build a Python framework to test and debug code during development.

Hewlett Packard Enterprise (HPE) Storage, Bangalore   **Jan 2020 - Aug 2020**
Research and Development Intern, Customer Focused Testing Team   *[Python]*
- Automated performance tests for HPE 3PAR, reducing 20% of manual efforts.
- Trained in Storage, HPE products and the Software Development Life Cycle.

Projects

Department of Computer Science, PES University, Bangalore
Relevance Search | Advanced Algorithms   *[C, GDB, Linux]*
- Implemented a suffix tree to retrieve relevant documents based on input keywords.

Intal Library | Design and Analysis of Algorithms   *[C, GDB, Linux]*
- Designed a library to perform arithmetic operations on integers larger than standard storage limits.

FUSE File System | Operating Systems   *[C, Linux]*
- Implemented file system functionalities such as create, read, remove and append using the FUSE interface.

Chat Room Server | Computer Networks   *[C, Sockets, Linux]*
- Developed client-server app using sockets, with a server capable of handling multiple clients connecting via TCP.

Hackathons, Ideathons and innovative Ideas
- HPE Storage Hackathon: Developed auto-generation of documentation for APIs of File Services. Successfully implemented and adopted by the team.
- HPE Escape the Red Tape Ideathon: Propose Virtual Reality tool for employees to explore career paths.
- Designed "Find the Imposter!" – a novel game-based method to virtually onboard new team members.

Awards and Recognitions

- Recipient of Distinction Award for 5 semesters at PES University (2017 - 2020).
- Recipient of HPE Storage Recognition Cash Award for top performance (2021).
- Recognized for outstanding efforts in ensuring quality of File Services products at HPE (2021).
- Recognized for active contributions towards innovation at HPE (2021).
- Recognized by the Head of Zscaler India Operations for commendable efforts in CSR (2023).

Training and Certification

- **System Issues in Cloud Computing Specialization, Georgia Institute of Technology:** Coursera four-course sequence covering SDNs, distributed runtime systems, application development and NFVs.
- **Cloud, Docker and Kubernetes, HPE Training:** Set of three live classroom courses, each focusing on cloud infrastructure, Docker containers and how to build cloud services and manage applications for the cloud
- **Go Programming Language, HPE Training:** Three-day live classroom training covering the fundamentals of Go such as data types, functions, methods, modules, testing and concurrency.
- **Agile Methodologies, HPE Training:** Three day activity-based training on how to deliver a project using Agile.
- **Havard Business School Online, Foundation of Business:** Set of six courses: Finance, Financial Accounting, Mathematics for Management, Quantitative Methods, Communication and Spreadsheet Modelling.

Leadership

Zscaler CSR: Z-Forestation Environment Drive at Heartfulness Foundation   **Dec 2023**
- Headed 5 teams responsible for conducting the tree plantation drive: Communications, PR and Social media, Crowd Management, Distribution and Transport.

Citrix CSR with Robin Hood Army (RHA): Sponsorship For Independence Day Drive   **Aug 2023**
- Led initiative to meet RHA's target of distributing 2000 Kg of grain for surrounding villages in Bangalore.

Co-Founder of PESU Tech+SocialGood: **Aug 2019 - May 2020**
- Created an alliance of like-minded students working on producing tech for the positive advancement of society.
- Developed a proposal identifying key long-term and short-term goals, and activities for the club.
- Organized Incito, an intra-collegiate ideathon which focused on four domains of social impact: Climate and Sustainability, Education and Accessibility, Mental Health, and Rural Development and Upliftment.

Community Involvement

Alumni Support at PES University:
- Conducted a week-long Design Thinking in Technology workshop for the incoming batch of 2023.

Volunteer at Foundation for Excellence, non-profit connecting professionals to underserved students:
- Mentored a college student to help develop their soft skills for interviews and corporate life.
- Supported their success in securing an internship and pre-placement offer at Wells Fargo.

HPE CSR, job interview training sessions:
- Conducted training sessions on job interview preparation for differently-abled college students.

Extracurricular Activities

Member of PES Debating Society   **2016 - 2020**
- Participated as an adjudicator and a speaker in tournaments across India for four years and won accolades.
- Top Adjudicator Gujarat National Law Debate Tournament '19, Final's Judge for Manipal Debate Tournament '20.
- Core member of Organizing Committee of The PES Debate tournament held annually at PES University.
- Core member of Organizing Committee of The Amaatra Debate held at The Amaatra Academy, Bangalore.

Kathak Dancer   **2003 - Present**
- Trained as an Indian classical dancer for 11+ years.
- First rank in the Kathak Bharatiya Kala Kendra Diploma examination.
- More than 20 performances at several prestigious venues, including the G20 Summit 2023 held in Bangalore.