

Srinidhi Nagendra — Résumé

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Experience

- AMD** Bangalore, India
Nov 2024–Present
 - **Staff Engineer**
Part of AMD Research team working on performance modelling and optimization of next generation processors.
- MPI-SWS** Kaiserslautern, Germany
Feb 2024–Nov 2024
 - **Research Scientist**
Building a testing framework to help Java developers automatically and certifiably find all bugs.
jmc.mpi-sws.org
- Amazon Web Services** Paris, France
 - **Applied Scientist Intern**
Improved code correctness from 50% to 60% using LLMs to automatically synthesize data transformation code in S3.
- Unacademy** Bangalore
May 2018–July 2018
 - **Software Development/Reliability Engineer**
 - Streamlined automatic service deployment and monitoring on AWS using Docker, Kubernetes, Terraform, Jenkins pipelines and Elastic Stack.
 - Developed internal platform libraries in Go to standardize microservice development.
- BookMyShow (Bigtree Entertainment)** Bangalore
Sept 2016–April 2018
 - **Software developer**
 - Backend feature development to tailor services to Indonesian Market
 - Developed Internal dashboards to monitor SMS delivery error rates
 - Deployment and monitoring of microservices on AWS using Ansible, Docker, and Jenkins pipelines.
- Zoho** Chennai
May 2016–Sept 2016
 - **Member of Technical Staff**
Frontend development for interactive visualizations in reporting product to enable new visualizations and customization - using Leaflet JS, Mapbox, D3, Peg JS.

Education

- Université Paris Cité (IRIF), Chennai Mathematical Institute** Paris, Chennai
 - **PhD, Automated Testing of Distributed Protocol Implementations** 2020–2024
Advised by **Constantin Enea (LIX, Ecole Polytechnique), Mandayam Srivas (CMI)**
- Chennai Mathematical Institute** Chennai
2018–2020
 - **M.Sc. Computer Science, Graduated with a Medal of Excellence**
- Amrita University** Bangalore
2012–2016
 - **B.Tech Computer Science and Engineering**