

Ravi Malik

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Software Engineer, LAMP Stack with 3 years of professional experience building back-end for high traffic and high availability server applications. Passionate about Software Systems, especially Distributed Systems and applications with high parallel-processing needs. Currently pursuing Masters degree in Computer Science with specialization in Software Systems.

- Distributed Systems
- Design Patterns
- Normalized database schema
- Parallel Processing
- Linux device drivers
- Web back-end: LAMP
- Multi-threading
- REST API

Professional Experience

Freelancing | Software Engineer: LAMP stack | 2016-2017

Worked on building back-end infrastructure for high load, scalable web applications. Programing embedded devices like ARM-7 based LPC2148, Raspberry PI.

- Implemented back-end for pollution monitoring system, ERAVE, deployed in 6 locations in India.
- Built back-end and made front-end integrations for Glxy.eu, a social network for LGBTQ community, currently deployed in 7 regions across Europe.

Smartsbee, India | Software Engineer : LAMP Stack | 2015

Primary role was to build back-end for web applications and scale them over multiple machines over the AWS cloud services.

- Enhanced functionality and scaled an E-Commerce project, BuyOSE, tailored towards hotels to multiple servers.
- Built an employee management web application from the ground up, Officelink360.

Newgen Software Technologies, India | Software Engineer | 2014-2015

Role was to build back-end infrastructure for Rich Internet Application application of an Image Processing solution.

Education and Technical Proficiency

Master of Science, Computer Science , University at Buffalo, New York

Focus Area: Information Systems, Distributed Systems, Operating Systems and Parallel and Distributed Computing

Bachelor of Technology, Computer Science, Punjab Technical University, India

GPA: 3.7

C, Python, PHP, Java | Multithreading | Distributed Systems | Parallel Programming | Linux Device Drivers | Horizontal Scaling | REST API | BASH Scripting

Other Achievements

- 3 times winner of programing competitions during undergraduate studies.
- 4 times winner of the best project in the semester during undergraduate studies.