

Work Experience

Currently working as a **Software Developer** at **Epic** for "Beaker" - Lab information systems. (Jan 2011 – Current)

- **Lead** a small team of 3 members to work on different projects for the 2012 and 2014 release.
- Designed, developed new functionality for Beaker.
- Built an Automated testing framework to detect workflow based bugs generated from new code.
- This framework has helped many teams within Epic to find code related issues.
- Developed internal tools for code correction and internationalization in **EpicStudio** using C# which significantly helped to speed up development.
- Contributed towards developing new interview questions. Represented Epic at career fairs and involved in the recruitment process at Epic.

Worked as a **Software Automation engineer Co-op** at **Motorola** for the OCAP team (Sept 2009 – Mar 2010)

- Learnt and developed test scripts to automate testing for OCAP based set top boxes.
- Created plug-ins for the in house software to support newer devices that helped test different STBs on a single schedule

Projects

- [Wide](#) – An open source framework to create Visual Studio 2012 IDE like applications using WPF, PRISM and other open source projects. For more details – check out the [CodeProject](#) article on how to use the framework.
- [Hypertest](#) – A personal "testing automation" project to explore open source frameworks/tools which uses Selenium to create a test suite for complex web testing.
- Active contributor for open source projects such as [MahApps.Metro](#) and [AvalonDock](#) – both more on the theming side.
- Parallel ODE –Parallelized an open source physics engine (ODE) using OpenMP and Intel Compiler.
- Galaxian – ICG (An OpenGL game), a single player alien shooter game with animation and simulated physics
- Other projects include MAP – An announcement protocol, P2P – S/W Update System using JXTA framework used to update a software package by downloading required files from peers.
- B.Tech Core project - "The Student Feedback system" using ASP.NET and Access database backend; used to provide feedback about the teacher and the course to the management. This is currently being implemented at SASTRA University, India.
- Was part of a three member team that was placed **1st in India** and **4th in Asia ICT Confederation International Software Competition**, a programming contest, held in December 2003
- Completed a project for Microsoft Academic Project-2006 called the "Student Management System"

Educational Qualification

- **Master of Science in Computer Science** at Drexel University, Philadelphia, PA with a GPA of **3.55**.
- **Bachelor of Technology** (Distinction) in **Computer Science** from SASTRA University, India with a GPA of **9.18/10**.

Technical skills

Languages

- Proficient in: C#, WPF, Prism (CAL), Java
- Familiar with: VB.NET, VB, C, ASP, C++
- Has tried automation using UI Automation framework (Microsoft) and Selenium

Software & Technologies

- Database: Familiar with Oracle, Microsoft SQL Server, MySQL, Cache
- Platforms: Microsoft Windows, Linux
- Other (rusty): Photoshop, ANTLR, Eclipse IDE

Field of Interest

- Software development, software design, design patterns
- Test automation and software quality
- Game development

Responsible positions held & credentials

Leadership Traits

- **Technical team lead** of Beaker application within a year of joining Epic Systems
- **Chairman, Organizing committee, Carpe-Diem '07**, an intramural cultural fest of SASTRA University.
- **Chairman, Organizing committee, Kuruksastra '08**, a National Level inter-college cultural fest by SASTRA University

Academic & Other Credentials

- Won the "Kamakoti Award" for being the **Best Outgoing student of the year 2007-2008** from SASTRA University.
- Awarded special prize for ranking in the top 10% in university in the academic years 2004-2005, 2005-2006 & 2006-2007.
- Won the **"Best Programmer award"** and topped the course "Visual Programming in VB" at SASTRA University
- **Best All Rounder Award** in School (Class XII)
- Won the Consolation prize in National Robotics Olympiad (2003) at IIT, Chennai.
- Won the 1st Prize in 'VORTEX' Software presentation in the year 2005 hosted by the National Institute of Technology.