

Curriculum Vitae

Last Updated: Wednesday, 04 June, 2008



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| Full Name | Sunil Beta Baskar |
| Father's Name | Dr. David Baskar Sundararaj |
| Born on | 20th May 1980 (at Erode, TN, INDIA) |
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| E-mail address | betasam@gmail.com |
| Nationality | Indian (Passport B3625552) (Exp: 2011-06-31) |
| Languages | can read, write and speak English, Tamil, Hindi |

Personal Mission Statement

"To embody the change I seek in the world."

Academic Programmes (Core)

| Period | Institution | University or Board | Course | Result |
|-----------|--|---|---|--------|
| 1997-2001 | Shanmugha College of Engineering, Thanjavur | Bharathidasan University (TN) | B.E. (<i>Computer Science and Engineering</i>) | 76.00% |
| 1996-1997 | Don Bosco Matriculation Higher Secondary School, Thanjavur | Higher Secondary Certification Board (TN) | Higher Secondary Certificate (<i>Physics, Chemistry, Maths, Computer Science</i>) | 92.17% |
| 1994-1995 | Don Bosco Matriculation Higher Secondary School, Thanjavur | Matriculation (TN) | Matriculate | 87.00% |

Academic Programmes (Additional)

| Period | Institution | Course | Result |
|------------------------|---|--|--------|
| 2000 | Personality Development Centre, Mangalore | Feel Employable | Cert. |
| 1996-1998 1994-1996 | NIIT | Honorary Diploma in Software Management (HDSM) | 80.00% |
| 1992-1994 | Dakshin Bharat Hindi Prachar Sabha | Praveshika | 65.00% |

Academic Projects

| Year | Project |
|------|---|
| 2000 | "Kollektive Linux Distribution" codenamed Mahout as Final Year Project sponsored by Morelinux.com (later renamed Codito) |
| 2000 | "Infinity" - Large Integer Processing Library for Research on Diophantine equations for the Mathematics Department at "Shanmugha College of Engineering" (later renamed SASTRA deemed University) |
| 1999 | "Container Allocation System" for CONCOR, Thondiarpet (Chennai) |
| 1996 | "Machine Allocation and Library Management system" for NIIT, Thanjavur |

Academic Achievements

| Year | Achievement |
|------|---|
| 2001 | <u>First</u> in Artificial Intelligence (8th Semester, B.E.) |
| 2000 | <u>Second</u> in System Software Engineering (7th Semester, B.E.) |
| 1998 | <u>First</u> in Programming Languages I (3rd Semester, B.E.) |
| 1998 | <u>First</u> in Basic Engineering I (<i>Civil, Mechanical Engineering</i> - 1st Year, B.E.) |
| 1997 | <u>First</u> in HSC (School level) |

Academic Awards

| Year | Award |
|------|--|
| 2001 | Shri. R Sethuraman Award for <i>Academic Excellence in Computer Science & Engineering.</i> |
| 2001 | Shri. H Mahadeva Iyer Award for <i>Academic Performance, Proven language skills & wide Reading habits and Performance in extra-curricular activities.</i> |

Academic Papers

| Year | Paper |
|------|--|
| 2000 | "Hollow Magic Cubes" on magic cubes and hyper-dimensional cubic surfaces and scalar mathematical usage. (published with Sivappirakasam,M) |
| 2000 | "Hypothetical Quantum Computing Interface using Agents" on interacting with Quantum Computing and Conventional Electronic Computing Platforms. (published with Vijayanand R) |
| 1999 | "DNA Computing for NP Problems - Extended Approaches" on extension of NP approaches with DNA Computing. (published with Irfan Shah and Sai Narain) |
| 1999 | "Behavioural Approach for Network Security" on using behavioural usage patterns to increase network security. (published with Niranjana,B) |
| 1998 | "Internet Security with Firewalls", a study paper on Firewalls, External Intrusion and Insider attacks. (published with Sai Narain and Irfan Shah) |

Academic Prizes for Paper Presentations

| Year | Prize or Appreciation |
|------|--|
| 2001 | Paper on "Quantum Computing Interface" recognised by Imperial College UK |
| 2001 | <i>First Prize</i> for paper on "Hollow Magic Cubes" at Mathematical Symposium held at Shri Venkateshwara College of Engineering. |
| 2000 | <i>First Prize</i> for paper on "Quantum Computing Interface" at Pondicherry Engineering College (Technical Festival - Recursion 2000) |
| 1999 | <i>Second Prize</i> for paper on "Firewalls" at PSG College of Technology |

Academic Leadership Roles

| Year | Leadership Role or Responsibility |
|-------------|--|
| 2001 | System Administrator for "Advanced Research Projects Laboratory" of the Department of Computer science at "Shanmugha College of Engineering." |
| 1998 - 2001 | Class Representative for "Computer Science" Batch of 1997-2001 Section A at "Shanmugha College of Engineering." |
| 2000 - 2001 | Webmaster for the official website of "Shanmugha College of Engineering." |
| 1997 - 1998 | Chairman of the NIIT Thanjavur Technical club, named QUEST. |
| 1996 - 1997 | School Pupil Leader of Don Bosco Matriculation Higher Secondary School. |
| 1992 - 1995 | President of "The Computer Club" of Don Bosco Matriculation Higher Secondary School. |

Competitions and Prizes

| Year | Prize | Competition |
|------|--------------|--|
| 2001 | First Prize | Prof. K G S English Essay Competition |
| 2001 | First Prize | Prof. K G S Creative Writing Competition |
| 2001 | First Prize | Prof. T R R Science Essay Competition |
| 2001 | First Prize | Prof. K G S English Oratory Competition |
| 2001 | First Prize | English Oratory Competition (Shanmugha College of Engineering) |
| 2001 | First Prize | "ET in the Classroom" Quiz (Trichy Zone) partnered with Vijayanand R |
| 2000 | Second Prize | "Software Marketing" at "Pondicherry Engineering College" Technical Festival - ICON 2000 with Irfan Shah, Vijay Anand R and Sai Narain K |
| 2000 | First Prize | "Debating" at "Anna University" Arts Symposium held by the Department of English |
| 1999 | First Prize | "Marketing" at "Pondicherry University" Technical Festival - Recursion '99 with Irfan Shah |
| 1998 | Second Prize | Prof. T R R Science Essay Competition |
| 1998 | First Prize | Prof. K G S English Oratory Competition (Shanmugha College of Engineering) |

Work Experience

| Period | Designation | Company |
|----------------|--|---|
| 2006-(Present) | Project Leader, Embedded Systems | D-Link India Ltd., R&D Division, Bangalore http://www.dlink.co.in/ |
| 2005-2006 | Independent Consultant for Startups | Consulted for "Afford Computing", "Codito", "Linux Standards Base", "Aum Infotek", "Parisutham Institute of Technology and Science" |
| 2003-2005 | Programme Manager for Embedded Services | Codito Technologies Pvt. Ltd., Pune, Maharashtra, India http://www.codito.com/ |
| 2003 (Jan) | Product Manager | Innvo Systems Pte. Ltd., Singapore http://www.innvo.com/ |
| 2002-2003 | Linux Kernel Developer | Innvo Systems Pte. Ltd., Singapore http://www.innvo.com/ |
| 2001-2002 | Embedded System Software Developer | Codito Technologies Pvt. Ltd., Pune, Maharashtra, India http://www.codito.com/ |
| 1998-2001 | Part Time Consultant, Partner and Co-Founder | Reboot Systems, Thanjavur (PC/Clone Troubleshooting company founded with Badhrinath Nageswaran) |

Roadshows

| Year | Roadshow |
|------------|---|
| 2007 (Nov) | Freescale Technology Forum (Bangalore) |
| 2006 (Dec) | Freescale Technology Forum (Bangalore) |
| 2006 (Nov) | Intel Developer Forum (Bangalore) |
| 2004 (Feb) | Linux Asia |
| 2004 (Dec) | Linux Bangalore |
| 2003 (Dec) | Linux Bangalore |
| 2003 (Dec) | TI Developers Conference (DevCon) |
| 2002 (Nov) | Advantech Partners Meet (to demonstrate Realtime Linux capabilities on Advantech solutions with Innvo.) |
| 2002 (Feb) | Redhat Partner's Meet (Pune) representing Codito's partnership offering. |
| 2001 (Dec) | Redhat roadshow, Bangalore (to present the Codito-Redhat partnership for embedded professional services with now CEO, Patanjali) |

Lectures at Work

| Year | Topic |
|------|---|
| 2000 | Linux boot-up Process (related to enhancements from the Linux distribution project) delivered at Codito. |
| 2001 | RTLinux porting to the ARM 32-bit architecture delivered at Codito. |
| 2001 | "Scaling Linux to the Embedded World" delivered at Redhat Roadshow with Patanjali (now CEO of Codito.) |
| 2004 | Better Coding Practices for simplifying Project Management delivered at Codito. |
| 2004 | "An Introduction to Free Software and Opensource" delivered at SASTRA deemed university. |

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| 2004 | "Compiling the Linux Kernel" delivered at SASTRA deemed university. |
| 2005 | Lectures on Process Management - series on lean processes to improve Codito's delivery and internal processes. |
| 2006 | Deploying the Linux 2.6 kernel in Embedded Networking Applications (18 Sessions) |
| 2007 | Using Open Source Software in Networking Products and Complying with Intellectual Property rights |
| 2008 | Linux Kernel Debugging Techniques |
| 2008 | Video Quality Parameters, Scientific Quality Enhancement Methods |

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Work

| Year | Role | Project |
|------------------|--------------------------------|--|
| 2008 (Jan - ...) | Project Leader | Linux Port to I.MX27 TO2.1 Freescale Videophone platform revision (kernel 2.6.22.6) |
| 2008 (Jan-Mar) | Recruitment Manager | Screening and Recruitment of a Sr. Embedded Software Developer for the Embedded Systems BSP Team |
| 2007 (Nov-Dec) | Technical Training Manager | Identified areas requiring Technical Training and arranged for Technical Training on Embedded Application Development on Linux and FreeBSD |
| 2007 (Nov-Dec) | Recruitment Manager | Screening and Recruitment of a Technical Lead for Embedded Systems BSP Team |
| 2007 (Jun-Dec) | Project Leader | Linux Port to TI "TITAN" MIPS324kc based dual core processor for a VoIP Phone Platform (kernel 2.4.17) |
| 2007(May-Dec) | Project Leader | Linux Port to I.MX27 TO2 Freescale based Videophone (kernel 2.6.19.2) |
| 2007 (Jan-May) | Project Leader | Linux Port to I.MX27 TO1 Freescale based Videophone (kernel 2.6.18.1) |
| 2006 (Jun-Dec) | Project Leader | Linux Port to I.MX21 Freescale based Videophone prototype. (kernel 2.4.20) |
| 2005 | Consultant | Linux Port to Custom board using Geode derived SoC (kernel 2.6.12 with Xfree86 4.0) |
| 2005 | Driver Developer | XFree86 4.5 Video driver for custom platform. |
| 2005 | LSB Consultant | LSB Workgroup, LSB Desktop Workgroup, LSBInstall tool extended engineering and regularisation. |
| 2004-2005 | Process Manager | Internal Processes for QA and Work Enhancement. |
| 2004 | Project Manager | Linux 2.6 port to IBM 750GX dual core extended embedded off-loading platform over a PCI-X interface. |
| 2004 | Project Manager | uClinux 2.4 port to ARM7TDMI based processor controlling a Image Capture Device. |
| 2004 | Developer and Project Manager | CF/VGA Colorgraphics card driver for the Simputer platform. |

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| 2004 | Project Manager | uClinux 2.4.20 port to LX4380 based SoC. |
| 2004-2005 | Company Liaison | TI, India (GNU Multicore Processor Debugger) and Codito. |
| 2004 | Project Manager | GCC ports to Custom core from ARC International |
| 2003-2005 | Company Liaison | FSMLabs (Projects involving RTLinuxPro engineering enhancements, Deployment Assistance) and Codito. |
| 2003-2005 | Recruitment Manager | Recruitment for Embedded System Software Services team. |
| 2003 | Project Manager and Developer | Embedded Linux Port (kernel 2.4.19-rmk6-omap1) and Qt-Embedded port to TI OMAP Innovator |
| 2003 | Offshore Team Manager | Offshore Team Setup, Management, Linux IPSEC based VPN Tunnel setup. |
| 2002-2003 | Kernel Driver Developer | SMC91C96 Ethernet Driver for PXA250 based custom board targeted at an in-car telematics device. |
| 2002-2003 | Kernel Driver Developer | Oki MSM7731 Echo Cancellation chip driver for PXA250 based custom board |
| 2002 | Kernel Developer | RTLinuxFree/OpenRTLinux port for PCM SoCER-130 board from Advantech. |
| 2002 | Kernel Developer | Epson S1D13806 Console Framebuffer Driver on Linux (kernel 2.4.17) for StrongARM based SoC for customised board. |
| 2002 | Embedded Systems Developer | Custom Boot loader enhancements for InnvoBoot (proprietary boot-loader from Innvo) |
| 2002 | Company Liaison | Redhat India and Codito Technologies for Linux Professional Services. |
| 2002 | Developer | Lxr enhancements for indexing alternate source trees |
| 2001 | Developer | Perl Based Profiling framework for custom OS kernel. |
| 2001 | Kernel Developer | OpenRTLinux 3.0 Port for CDB89712 board. |
| 2001 | Project Guide | Shared Memory for Clusters (Network RAM) extensions to the Linux Kernel. |
| 2001 | Kernel Developer | i810 console framebuffer driver for Linux. |

Skills (Core)

| Skill | Level of Expertise |
|--|--------------------|
| Linux Kernel Development (drivers, enhancements, architecture ports) | Very Good |
| Linux Application Development based on Frameworks (Qt, KDE) | Average |
| Debugging and Troubleshooting capabilities | Very Good |
| Embedded System Software Development on Alternate Platforms | Good |
| Embedded Application Software Development on Alternate Platforms | Good |
| Source Code Comprehension | Good |
| Project Management and Team Leadership | Very Good |
| Client Liaison Management | Good |
| Recruitment and Interviews (Technical) | Good |
| Cross-Team communication and Internal Customer Management | Good |

(Ratings are from appraisal and feedback at work environments.)

Skills (Supportive)

| Skill | Description | Comfort Level |
|-------------------------|--------------------------------|---------------|
| Programming Languages | C, C++ (Using gcc) | Very Good |
| Debugging Environment | GNU Debugger (gdb) | Very Good |
| Programming Languages | ARMv5 instruction set Assembly | Good |
| Programming Languages | ix86 instruction set Assembly | Average |
| Development Environment | EMACS | Very Good |
| Scripting Languages | Perl, bash2 | Very Good |
| Scripting Languages | SQL | Average |
| Scripting Languages | PHP, awk, sed | Average |

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|---------------------|---|-----------|
| OS Platform | Linux Distributions (Debian, SuSE, RH) | Very Good |
| OS Platform | FreeBSD, Microsoft Windows 2000, Microsoft Windows XP | Average |
| Desktop Environment | KDE | Very Good |
| Conflict Management | (Soft Skill) | Good |

Hobbies and Interests

History (Roman, Greco-Roman, Egyptian Middle Dynasties), Archaeology (Monuments)
 Anthropology, Alternate History, Theology, Ontology
 Science Fiction (Michael Crichton, Steven Baxter, Philip K Dick, Isaac Asimov)
 Writing Essays and Articles (on technical, socio-technical and other relevant topics)
 Writing Fiction (fan fiction, or short stories with a science fiction theme.)
 Listening to Western Classical Music (Tchaikovsky, Brahms, Strauss, Beethoven)
 Chess (Playing online over chess portals, Playing chess programs.)
 Movies (Science Fiction, Art, Classical: 1940-1960 Genre)
 Pencil Sketching (Portraits, Landscapes - reflecting Themes and Realism)

Preferred Work Environments

I enjoy working with start-ups at an early stage working on innovative ideas. I would like to work in a company aiming to create a end-to-end solution rather than target only one part of a complete customer chain.

I like to work in a flexible work environments with minimal dress code regulations restricted to client meetings. I prefer flexible timings to enable me choose the best time. I like working with teams speaking languages I might be unfamiliar with; as that helps me gel into the team and learn the language together.

I'd rather work with a team and represent a team across to a customer when the team is full of techies who would like to limit their communication with clients, without affecting their understanding of the delivery issues.

I prefer a role that involves both strong leadership and technical skillsets. I would also like to participate in management decisions on strategy and immediate market approach.

Thankyou for reading through this rather lengthy document. I've read resumés and CVs myself and I know its quite a tough job to sift through them.

Sunil Beta Baskar