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| Rushikesh Keshavrao Deshmukh Dec-2022 | | | |
| A person wearing glasses  Description automatically generated with medium confidence | Mobile: +91 9620982619  Email : [rushissv@gmail.com](mailto:rushissv@gmail.com)  Github Resume: <https://github.com/rushikdm/resume>  LinkedIn: <https://linkedin.com/in/rushikesh-deshmukh-b824897> | | |
| **PRECIS** | | | |
| * 18+ years of overall professional experience. * 16+ years of experience in software development using C++ for complex problem solving. * Problem solving skills with Knowledge of data-structures and algorithms, C++ STL etc. * Delivered several significant performance improvements. * Emphasis on code quality, flexible design, readable & maintainable code. * Well acquainted with software engineering processes and methodologies such as SDLC, agile scrum, test driven development etc. * Detail oriented, meticulous, methodical, cooperative team player with clear written and oral communication skills. * Always learning attitude with interest in C++, data structures and algorithms, multithreading, Linux OS & programming, embedded programming, deep learning etc. * I believe in long term relationship with organization that provides organic growth in my career. | | | |
| **SKILLS** | | | |
| **Programming languages**  C, C++ (98, 11, 14, 17, 20), Java, Python 3, Common LISP, JavaScript, SQL, AVR C programming  **Programming frameworks**  NX, NXOpen  DELMIA CAA, CNEXT  Web development using J2EE, JSP, structs, spring etc.  **Databases:** Oracle, MS Access  **Scripting:** Bash scripting, Python scripting etc.  **Multithreading:** C++ threads, pthreads. | | **Domain and Products**  CAD: NX Sheet Metal, NX FPCB, AutoCAD, CATIA  CAM: DELMIA Machining  Supply Chain Management  **Software Engineering processes**  SDLC, Agile Scrum, Test Driven Development, DevOps, UML for documenting software design & architecture etc.  **Software Tools**: Visual Studio, Eclipse, Star UML, Microsoft word, excel, power point, outlook etc.  Familiar with Linux OS & programming, embedded programming, deep learning, Android app development etc. | |
| **EDUCATION** | | | |
| 2002 – 2004 M.Tech. in Industrial Engineering & Management 8.46 CGPA  Indian Institute of Technology, Kharagpur.  1997 – 2001 Bachelor of Engineering in Production 69.85%  SGGS C E & T, Nanded (MH) | | | |
| **CERTIFICATIONS** | | | |
| * APICS CPIM Basics of Supply Chain Management (2006). * [C++ certificate](https://www.hackerrank.com/certificates/41a049646ce0) by Hackerrank (2020). * [Problem solving certificate](https://www.hackerrank.com/certificates/9b91d36c6e27) by Hackerrank (2020). | | | |
| **EXPERIENCE** | | | | |
| **Jul-2022 To Present *Software Engineer- Senior*** | | |  | |
| **Roles**  **&**  **Responsibilities**   * Working as senior software engineer to design and develop NX Industrial Electrical Design ECAD application. * Support both native and managed modes. * Support integration with all peripheral applications such as Teamcenter, TIA portal, ECLAAS product import etc.   **Products**   * NX Industrial Electrical Design.   **Technologies**   * C++, STL, data-structures & algorithms, NX infrastructure: OM, journamation, NXOpen , UIComp, update, usage of diagramming framework etc.   **Projects**   * Potential type annotation display for electrical connection in multiline sheet (NX2212) * Support save as for product in native mode (NX2212.3000 MU). | | | | |
| **Nov-2010 To Jun-2022 *R&D Software Engineerng Senior Manager* Dassault Systemes Bengaluru.**  **11 years 6+ months**  **My journey:** Lead Engineer 🡪 Software Engineering Specialist 🡪 Software Engineering Senior Specialist 🡪 Software Engineering Senior Manager  **Company journey:** DELMIA Solutions 🡪 3DPLM 🡪 Dassault Systemes | | | DASSAULT SYSTÈMES The 3DEXPERIENCE Company Vector Logo - (.SVG + .PNG) -  SeekVectorLogo.Net Dassault Systèmes Software Compared | CAD | Scan2CAD | |
| **Roles**  **&**  **Responsibilities**   * Design & develop functionalities under DELMIA Machining, Cutting Tools Builder applications. * Responsible for toolpath data model for machining operations, tool path repetition, management of cutting tool resources based on ISO13399 standard, import and mount of machining resources, automatic sequencing of machining operations etc.   **Products**   * DELMIA Machining application. * DELMIA Cutting Tools Builder application.   **Technologies**   * C++, DELMIA CAA, CNEXT, UI framework, Test Driven Development tools, tools for solving memory leaks, creation of auto tests for code coverage, continuous integration, delivery etc.   **Projects**   * Upgrade mechanism for cuttings tools (R2022x), boring assembly (R2019x), multi-usage tool assembly (R2018x), compliance of cutting tool resources as per ISO 13399 (R2018x), xml import of cutting tools (R2017x), toolpath repetition (R2016x), EKL API support for automatic sequencing of machining operations (R2016x), import and mount of cutting tool resources (R2015x), offset on accessory mount (R2014x) etc.   **Achievements**   * Improved performance 2x times for PPRContext open scenario for Olbrich customer.   Reduced time from 90 sec to 45 sec.   * Improved performance nearly 8x times for toolpath simulation scenario for Olbrich customer.   Reduced time from 15 min to less than 2 min.   * Performance improvement of more than 60x times for toolpath replay scenario for Renault customer. Reduced time from more than 30 min to less than 30 sec. | | | | |
| **Feb-2009 To Nov-2010 *Senior Engineer* PTC India, Pune.**  **1 year 9+ months** | | | PTC - IoT Global Network | |
| **Roles**  **&**  **Responsibilities**   * Worked as Senior Engineer in CoCreate Sheet Metal CAD software product development. * Instrumental in interacting with team in Germany to gain understanding of the product and technologies.   **Products**   * CoCreate Sheet Metal CAD software application.   **Technologies**   * Common LISP programming language, C++ * CoCreate UI framework, application framework, test framework etc. | | | | |
| **Jul-2008 To Feb-2009 *Technological Architect* Uniken Systems Pvt Ltd. Pune**  **6+ months** | | | C:\Users\r3h\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\CAB40B3A.tmp | |
| **Roles**  **&**  **Responsibilities**   * Interacted with clients to understand requirements. * Architecture and design of the solution. * Guided a team of 4 developers and 1 tester.   **Products**   * Web application for Advertisement scheduling. * Supply Chain Management information system web application.   **Technologies**   * Java, JavaScript, HTML, JSP, J2EE, Struts framework, Spring framework, Oracle database, SQL etc. | | | | |
| **Jan-2005 To Jul-2008 *Technical Lead* Seimens PLM**  **3 years 6+ months**  **My journey:** Software Engineer 🡪 Technical Lead  **Company journey:** SDRC 🡪 UGS Solutions 🡪 Siemens PLM | | | C:\Users\r3h\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FF0DCB0D.tmp | |
| **Roles**  **&**  **Responsibilities**   * Worked as developer in NX CAD software product development. * Responsible for Tab, Contour Flange, Lofted Flange, Transition CAD features in NX.   **Products**   * NX Sheet Metal application. * NX Flexible Printed Circuit Board Design application.   **Technologies**   * C, C++, CAD feature development using NX OM, CMOD Infrastructure, Parasolid, Journamation, NX UI etc.   **Projects**   * Support of journaling and automation for tab, contour flange, lofted flange features in NX Sheet Metal. * Single handedly developed new application in NX called Flexible Printed Circuit Board Design. * Designed and developed new CAD feature called Transition in NX FPCB application. | | | | |
| **Jul-2008 To Feb-2009 *Assistant Manager***  **6+ months** | | |  | |
| **Roles**  **&**  **Responsibilities**   * Worked as Assistant Manager in Production Planning & Control Department of Bharat Forge. * Involved in developing production plans for forged products in various shop floors. * Interacted with sales department to gather the sales plan and data. | | | | |
| **PERSONAL INFORMATION** | | | | |
| **Languages**  English, Hindi, Marathi, Telugu (Read, write & speak)  **Hobbies**  Reading, writing, puzzle solving. | | | | |