CHANDRA PRAKASH DIXIT

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PROFILE

Experienced C++ Developer, well versed with concepts of Object Oriented Programming, Data Structures & Algorithms; adept in bringing forth expertise in design, development, testing and maintenance of cross-platform software systems. Equipped with a diverse and promising skill-set. Familiar with the latest cutting-edge development tools, procedures & methodologies; able to effectively self-manage during independent projects, as well as collaborate effectively within a productive team.

TECHNICAL SKILLS

Languages: C++ 11/14/17, Perl, Python, Lua   **Frameworks**: Google Test, Google protobuf, Qt
Developer Tools: Git, VS Code, XCode, Qt Creator, Jenkins, Jira   **Libraries**: STL, boost, SOL

EDUCATION

Master of Technology | *Advanced Computing*   Aug. 2016 – Sep 2018
Maulana Azad National Institute of Technology   *Bhopal, MP, IN*

Bachelor of Technology | *Computer Science & Engineering*   Jul. 2011 – June 2015
Dr. A.P.J. Abdul Kalam Technical University (formerly U.P.T.U.)   *Lucknow, UP, IN*

EXPERIENCE

Senior Developer   March 2023 – Present
Broadridge Trading and Connectivity Solutions   *Bengaluru, KA, IN*

- Product: TBricks, an automated trading platform.
- Refactored existing code to improve readability and maintainability, resulting in a reduction in development time.
- Implemented new features and fixed existing issues resulting in improved user experience while learning about trading domain.

Senior Software Engineer   Sep. 2022 – Feb. 2023
WorkFusion   *Hyderabad, TS, IN*

- Product: WorkFusion RPA, Control Tower.
- Responsible for code improvement, feature implementation and bug fixes for core RPA product while collaborating with team in Poland.
- Removed over 1200 memory leaks in code which resulted in drop in customer issues by more than 50%.

Consultant C++ Developer   Dec. 2021 – Sep. 2022
MTX Group Inc.   *Hyderabad, TS, IN*

- Product: CI Tools by Central Innovations.
- Responsible for well documented, peer reviewed Add- on development & maintenance for Windows & Mac Platform of ArchiCAD software using SDK.
- Migrated complete set of CI tools to be compatible with ArchiCAD 26 in 30% lesser time than usual.

Senior Engineer   Jan. 2018 – Dec. 2021
John Deere   *Pune, MH, IN*

- Product: Gen4 Display for Precision Agriculture.
- Started as Intern, later converted to PGET and Promoted to Senior Engineer within as result of consistent performance.
- Responsible for implementation of business requirements coming from Product Owner and stakeholders for Gen4 Displays based on Wind River RTOS in Linux dev environment.
- Developed various applications for Gen4 Displays of various machines and implements.

PROJECTS

TBRICKS Core Development   *Broadridge*

Working as individual contributor in CORE back-end Team of automated trading platform, TBricks. I have worked on multiple back-end utilities while incorporating new features & providing bug fixes to various tbricks admin tools.

RPA MFW   *WorkFusion*

Worked on improving CORE DLL component of Workfusion RPA, A UI Manipulation framework written mainly with C++ and WIN32 API to simulate UI operations needed for RPA bots.

CI Tools - ArchiCAD Addon   *MTX Group Inc*

Improved and migrated CI Tools Windows & Mac addons for ArchiCAD software through integrating new features & fixing existing defects using ArchiCAD SDK.

Configurable Doc UI   *John Deere*

Technical PoC Project at John Deere for Rapid deployment of updates instead of yearly release model; also added support of importing encrypted config files via USB and Cloud deployment.

Work Notes   *John Deere*

Performed End to end execution of this feature which provides Machine operators with a framework to log Work-based observations & export those to the cloud.

Machine & Work Monitor   *John Deere*

Supporting multiple platforms over multiple releases for displaying & logging various machine and work-related data coming from CAN Bus or other applications.

Social Media Analysis on YouTube Channel   *John Deere*

Captured Customer emotions / needs from posted comments on John Deere India YouTube Channel. Analyzed comments and came-up with a solution to enable stakeholders to identify topics and sentiments to have more focused Action Items.

Location driven Soil Analysis   *John Deere*

Completed during Internship, in which I performed end-to-end project delivery including processing and analysis of publicly available soil data to create APIs to get soil property on basis of geographical location using QGIS.