**PRANABESH PAUL**

1368, Survey Park, East Jadavpur, Kolkata – 700075

**Contact:** +91-9830293387; **E-mail:** [pranabesh\_paul@hotmail.com](mailto:pranabesh_paul@hotmail.com);

Software Developer

Software developer with 11+ years of experience in designing, implementing and maintaining highly scalable distributed systems. Have internal knowledge of Unix/Linux internals and multiple programming languages. Interested in site reliability engineering and research and development roles. Have good communication skills and capacity to work as team or individual contributor roles.

**Technical Skills:**

| Operating Systems | Windows XP, Windows 2000, UNIX, LINUX |
| --- | --- |
| Networking Protocols | TCP/ IP, UDP, RIP, OSPF, EIGRP, STP, SNMP, SMTP, FTP, HTTP, Telnet, SSH, TFTP, DNS, DHCP, BOOTP. ICMP, ARP, RARP, SIP, H.323**, EDIFACT** |
| Programming Languages  Debuggers  Repositories | C, C++, Python, PL/SQL  GDB, Valgrind, Visual Studio  GIT, SVN |
| Databases | ORACLE 10g,11g,12C, Informix, MySQL |
| Networking | LAN, Hub and Switching, NMS systems |
| Others | Lean Management, MS Office and Internet applications, Machine Learning |

Work Experience



**Tata Consultancy Services August 2022—Present**

**Associate Consultant**

**Client : Refinitiv/London Stock Exchange**

**Application : Low Latency Trading Systems**

**Environment : GNU Linux, C, C++**

* Developing and maintaining the Refinitiv systems for trading data collection
* Modernizing the Refinitiv Real time data collection and the edge routers along with other associated systems.
* Ensuring that the systems are compliant with the latest security patches and the software is functioning with the latest patches.
* Bug-fixing and troubleshooting issues reported on the production systems.

**Accenture April 2022 – July 2022**

**Technical Lead**

**Client : Amedeus Labs**

**Application : Cloud Migration**

**Environment: GNU Linux, MySQL, C++, Python,**

* Member of the Development and cloud migration Team
* Responsible for migration of the applications to the cloud also porting the code from legacy to latest version of C++
* Designing using XML, and EDIFACTS

**JEAVIO April 2020 – April 2022**

**Senior Software Engineer**

**Client : Sevone**

**Application : Network Monitoring System**

**Environment: GNU Linux, MySQL, C++, Python, php**

* Member of the Development Team and Software Architecture team
* Doing modifications to the NMS system as per customer requirements and working with other cross-functional teams for seamless delivery of the software. Also adding to the new features on the NMS system
* Gathering requirements, creating Design Documents.

**Netcracker Technologies Sep 2019 – April 2020**

**Senior Custom Developer**

**Client : Telenet Belgium**

**Application : Revenue and Billing Manager**

**Environment: GNU Linux, Oracle 11g,12C, C++, Python**

* Member of the R&D team developing custom solutions for the RBM billing system.
* Custom Development of additional functionalities on the RBM system using C++ and Oracle
* Developing interfacing with Cassandra database.

**Ericsson India Jan 2018 – June 2019**

**Solution Integrator**

**Client : Zain KSA**

**Location : Riyadh, Saudi Arabia**

**Application : CBIO 18**

**Environment: GNU Linux, Oracle 11g,12C, C++,Python**

* Data migration from Huawei UCBS billing system to CBIO.
* Developing a framework for efficient customer data migration and mapping.
* Developing the client-server architecture for billing activities with sockets.
* Automating the creation of PL/SQL scripts using Python Openpyxl / Pandas libraries to read mapping documents.
* Implementation of Machine learning algorithms and Deep neural nets to enhance the capabilities of executing and rectifying the general errors with minimal or no manual intervention.

**Ericsson India June 2017 –Dec 2017**

**Solution Integration and configuration Management**

**Client : Idea India**

**Location : Pune, India**

**Application : BSCS IX R2,ECM**

**Environment: GNU Linux, Oracle 11g,12C,C++**

* Migration of 22 circles including the National circle to the ECM framework
* Configuration of the migration framework.
* Imparting the ECM usage knowledge to the Idea team
* Developing a non-kernel solution for Bulk publish of rate plans from the ECM (Catalog Management) system to the BSCS billing system.
* Developing Billing system end customization for reporting and creating the communication sockets.
* Creating a multithreaded rate plan publish solution from ECM to BSCS.

**ERICSSON GLOBAL Apr 2017 – June 2017**

**Solution Integration and configuration Management**

**Client : TiGo Rwanda**

**Application: CBIO 17A**

**Environment: GNU Linux, Oracle 11g,12C,C,C++**

* Configuring new functionalities as per the Customer requirements
* Migration of the old framework to the new framework on CBIO 17 A.
* Configuring the rate plans, promotions, facilities, customer types and products etc. as per the requirements.
* Developed of new framework for provisioning of SIM’s and MSISDN’s through files containing the numbers to be paired and pre-provisioned for both 3G and 4G users.

**ATOS INDIA PVT LTD Nov 2013 – Mar 2017**

**Configuration Management**

**EPLUS/TELEPHONICA and DU Telecoms**

**Location: Munich, Germany, Dubai**

**Application Telecom Billing System**

**Tools/Product BSCS 7.0 and BSCS IX**

**Environnent :HP-UX,Linux , Oracle 10g,C++**

* Implementation of the Kernel level customizations on the Vendor Mediation device(VMD) to interface the HPSA client for user provisioning using multiple thread processing.
* Integrating the payment gateway with the BSCS billing system.
* Code review of project developed in C++, SQL, PL/SQL,Stored Procedures, Function, Packages for billing database Oracle 10g and making the necessary customization at the back-end level as per requirement of the business.
* Developing change requests after reading the SDD. Writing HLA’s.
* Understanding the systems and the existing functionality, Understanding the system requirement of the various departments and provide end-to-end system solution for Billing application BSCS.
* Handling various configurations that include Tariff configuration, creation and modification of rate plans and updating it to Billing System and troubleshooting JBOSS5 workflows.
* Efficient in Training and knowledge transfer to the business user.

**ATOS INDIA PVT LTD Sept 2011 – Nov 2013**

**L2 System Engineer**

**Unify GmbH**

* Spearheading efforts as Data & Voice Network Engineer and handling support for the SIEMENS VOIP switching and telephony system and remote administration of the Customer network.
* Developing and programming the IP cards in C++.
* Carrying out installations and support for call center deployments at operator level.
* Extending support to customers for critical VAS applications with in depth knowledge of all signalling protocols.
* Deftly interacting with Internet Service Providers to restore connectivity and facilitating as the contact for clients.
* Deftly worked in & gained knowledge about Voice over Internet Protocol, and Dynamics of Web Technologies.

***Achievement***

*Credential of winning best employee prize for the outstanding contribution in the SEN UK Project at Atos twice*



**EDUCATIONAL & PROFESSIONAL CREDENTIALS**

**B. Tech. (Electronics & Communication), 2010**

Seemanta Engineering College, Mayurbhanj (Biju Patnaik University of Technology); 72%

**XII, 2004**

RairangpurCollege, Rairangpur (CHSE), Orissa; 52.44%

**10th Standard, 2002**

*Priyadarshini Public School, CBSE, Kulti; 67%*