Dwai Banerjee

Zoetermeer

The Netherlands

LinkedIn

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HIGHLIGHTS

Dwaipayan (Dwai) Banerjee is a future oriented technology leader, full stack Architect and developer, recognized as an expert with proven leadership capabilities.

He is equally adept at building the Architectural Roadmap and/or Product Component Design and Layering, leading architecture teams; creating and implementing time boxed IT strategy including mission critical API Strategies, cloud strategies for large and medium businesses as well as build and lead closely knit, high performing engineering teams/labs from ideation, inception to completion.

For more than seventeen years, he has successfully created and implemented end to end innovative products and solutions for various initiatives across the globe. He has also built and mentored high performing cross cultural teams across the globe and especially loves to build distributed teams into a motivated engineering force.

Dwai is an elegant Developer skilled in multiple languages with specific interests in Massively Distributed systems, Large scale immutable HPC and latest GPU topology creation and roll out on major cloud service providers for reinforcement learning using the latest DNN toolkits, full stack Virtualized MicroServices, Optimization, automation and subsequent value added commercialization of the same.

Dwai believes in open source. Please feel free to download this resume as a pdf.

EXPERIENCE

Senior Solution Director

HCL Technologies, The Netherlands — May, 2017 to Present

Public/Private Cloud enablement, Microservices on immutable infrastructures,

container standards/implementations for European conglomerates. Industry solution

implementations for stacks span Banking, Financial services and Insurance, Supply Chain and manufacturing. Dwai also enables HPC/GPU immutable compute fabrics for customers across the world working on latest scientific computing and simulations including DNN toolkits for fast reinforcement learning.

Cloud Solution Architect

Microsoft B.V., The Netherlands — January, 2016 to April, 2017

Created and maintained Azure github repositories for K80 (GK210 Duo) GPU Compute Auto Linux clusters for CUDA non graphical apps. HPC Big computes RDMA/IB Auto linux clusters for Intel MPI on Azure. These are immutable, intelligent compute grids with nvdia docker options and configurable soft RAID0. Created and maintained Azure github repository for M60 Graphical 3D Apps over PCoIP with latest Windows NVIDIA Azure Skus. Maintained the Docker for Azure with OMS (Operational Management Suite) repository with 17.0x-CE for monitoring the dockerized cloud infrastructure and first put up the automated Docker Datacenter on the Engine 1.13.x Private beta on a public cloud (Azure). Explore the repositories in the github media link with the pinned repositories @ https://github.com/dwaiba

Principal, Solution Architecture

Exact Software, The Netherlands — August, 2015 to November, 2015

R&D on future enabling Exact product portfolio.

Senior Consultant

Enable-U B.V., The Netherlands — February 2013 to July, 2015

Governance, Integration, Security, Appliances, Registry, Cloud, API management, product dev, Nederlandse overheid (Dutch Government).

Domain Solution Architect

Canon Europa N.V., The Netherlands — October, 2011 to January, 2013

Architect for Integration and Data @ Canon Europa. Design authority for Integration, data and B2B. Designing, building, implementing and managing the Canon landscape in WebSphere, Informatica, Oracle SOA Suite, virtual Infrastructure. Establishing DevOps and automation/scaling for Middleware for platform stabilization. Building the Centre Of Excellence.

Technical Architect

TMNS B.V., The Netherlands — April, 2009 to October, 2011

Worked on Enterprise Architecture, open systems, Oracle, WebSphere, TIBCO, Progress Sonic, Apama, Mule, JBoss, Apache projects. Consulted, designed and developed for various Dutch and Swiss businesses in the SOA, BPM and CEP space. Architected and programmed a successful CEP based Automated online Ad optimization platform. Set up large, high performing and scalable middleware infrastructure especially using VMWare, Amazon EC2 and virtualization techniques. Defined roadmaps for autonomic computing and implemented full scale AWS solutions.

Technical Architect

HCL Technologies, India and the World. — June, 2007 to February, 2009

Worked primarily with Cisco AON (Application-Oriented Network), product enhancements, SaaS gateways and other solutions. CISCO AON is a network-embedded/ appliance based middleware. Led a team of developers. We developed some of the first Enterprise class SaaS device connectors. Defined end to end detailed transformation solutions and laid out numerous successful Middleware product choices / implementations for a large range of customers around the world using varied stacks from opensource ESBs, Integration appliances to Commercial SOA stacks. Built a successful SOA Governance model for the Insurance and Investments division of a large British banking conglomerate.

Senior Member Technical Staff

Oracle Server Technologies, India. — April, 2006 to June, 2007

Oracle's SOA Suite 10.1.3.x and Fabric (11g) Dev team.

Engineer

IBM, India and the World. — November, 2003 to April, 2006

Worked with almost all products of the WebSphere stack, large AIX base setups, developing and consulting for various customers across the globe.

Developer

Ontrack Systems Ltd., Calcutta, India — July, 2003 to October, 2003

Developer of an end to end Distributed Logistics systems for Japanese and British customers.

C++/Web developer

Various, Pan Indian sub-continent. — 2001 to July, 2003

Worked as a java/c++/web programmer and linux administrator.

EDUCATION

Bachelor of Engineering

National Institute of Technology @ Durgapur, WB, India — 1997 to 2001

B.E, First Class: Classical Chemical Engineering and FORTRAN lab usage for large scientific calculations with last semester elective of Biotechnology.

SKILLS

Rated

★★★★☆ **Intel Xeon Phi Coprocessors, Intel Parallel Studio XE, ITAC, Intel Lustre, GlusterFS, Mellanox 6th Generation Device Drivers, DAPL, Infiniband, RoCEv2, Intel Compilers, Intel MPI, LINPACK, IMB and various other benchmarking, MPI 2.2/3.0/3.1, NUMA, mpicc/mpiicc/icc/ifort, CUDA/CUDAnn, OFED, Open MPI, Torque (Maui/MOAB), SLURM, NVIDIA DIGITS, Toolkits like CNTK, Caffe2, Keras and Tensorflow & nvidia-docker**

★★★★☆ **C/C++, Shell, Python, Go, node.js, Java EE, Spring Boot, Git & Gerrit**

★★★★★ **Linux, UNIX, Fedora, RHEL, CentOS, Ubuntu, Custom Kernels, AIX & HP-UX**

★★★★☆ **Cloud overlays, Google Cloud, AWS, Microsoft Azure, Digital Ocean, IBM Bluemix, CloudFoundry, Full scale Templatized deployable immutable cloud solutions, CLIs and Cloud APIs, Scaling, IaaS Clusters & Various PaaS on CSPs**

★★★★☆   API Management, API Security, API Design, node-red, netflix spring boot, Loopback, 3scale, WS02, Open Source API Management, Keycloak, CA Layer7 & IDM Stacks

★★★★☆   Hypervisors, Microvisors, KVM, Hyper-V, VMWare, vagrant & Hashicorp tools

★★★★☆   Container Management Platforms, Kubernetes/Heptio/GCE, Docker Data Center with Universal Control Plane, Swarm Mode, Rancher, rkt, oci, containerd, etcd, zookeeper, Mesosphere, docker plugins, Docker CE, Red hat Openshift, Registries, container pipelines, Jenkins, TeamCity, VSTS, Various CLIs and APIs, SonarQube, Nexus 3, GlusterFS & Container Native Storage

★★★★☆   Middleware and ESB, WebSphere Stack and topologies, WebSphere ESB, Oracle SOA Suite components, JBoss Community and EAP components, Fuse, Mule distributed, Websphere MQ, AMQP, Event Hubs & Software AG Apama Event Monitors

★★★☆☆   HTML5/CSS3, Javascript, Ruby, Erlang, Perl, SQL, Esql & Various Script frameworks like Apama Event Monitoring Scripts

★★★☆☆   DB2, Oracle RDBMS, SQL Server, Postgressql, Redis, mongodb & HBase

★★★☆☆   Hadoop Data Platform components, YARN and scheduling, HDFS, Apache Kafka, Apache Phoenix, SparkML, Data Lake Pattens, HDinsights & Livy