

DHANANJAY GHANWAT

SOFTWARE ARCHITECT | ENTHUSIAST

I am a **software architect, technology leader & full-stack engineer** with over **17 years** of experience whose passion lies in building great products while enabling others to perform their roles more effectively. I have architected and built horizontally scalable applications atop **Java & Scala** based technical stack: distributed RESTful API services: web-based front-ends with modern, highly interactive Ajax UIs and a cloud-based platform using AWS.

My current work is around **NLP** and **AI**: developing Bots, Alexa Skills and Google Home

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📍 Pune, India

🌐 Github: <https://dghanwat.github.io>

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SKILLS

TECHNOLOGIES

- ☑ Java, JAX-RS, Spring, Node.js
- ☑ Scala, Akka, Spray
- ☑ Alexa, Google Home, Bots
- ☑ Play
- ☑ Angular, Ajax, JSON, HTML5
- ☑ Elasticsearch, MySQL
- ☑ Maven, Git
- ☑ AWS and Heroku
- ☑ Docker
- ☑ Reactive

TECHNIQUES

- ☑ Web applications
- ☑ Distributed architecture
- ☑ Agile Development
- ☑ Mobile First, Responsive design
- ☑ Test-driven development
- ☑ Automation using Selenium
- ☑ Design Patterns

TRAITS

- ☑ Self-directed and passionate
- ☑ Meticulous yet pragmatic
- ☑ Leadership skills & integrity
- ☑ Excellent writing skills
- ☑ Good sense of humour

DOMAINS

- ☑ Transport
- ☑ Payments
- ☑ Telecom

KEY PROJECTS

CONVERSATIONAL PLATFORM SOLUTION ARCHITECT ATOS OCT. 2017 - PRESENT

Explore, design, develop, test, and deploy NLP applications on new channels like **Amazon Alexa, Google Home & Chat Bots**

ROLES & RESPONSIBILITIES

- Be leader in offering innovative services using leading-edge technologies
- Design a conversational Platform on which services like Alexa Skills or FB Bot will be delivered
- First of its kind Alexa Skill for journey planner delivered using existings products
- Designed and built a cognitive layer for future NLP interfaces
- Implemented Google Home actions for Rail Journey Planner

Designed and implemented a highly scalable & real time ticket vending monitoring system for large train operator company using Scala, Akka, Play Framework, Elasticsearch & Angular.

ROLES & RESPONSIBILITIES

- Conceived, managed, and built distributed REST API services
- Architected and implemented horizontally scalable, distributed cloud service platform using AWS
- Designed and built multi-device desktop web and mobile end-user applications

TICKET VENDING MONITORING SYSTEM SOLUTION ARCHITECT ATOS OCTOBER, 2016 - PRESENT

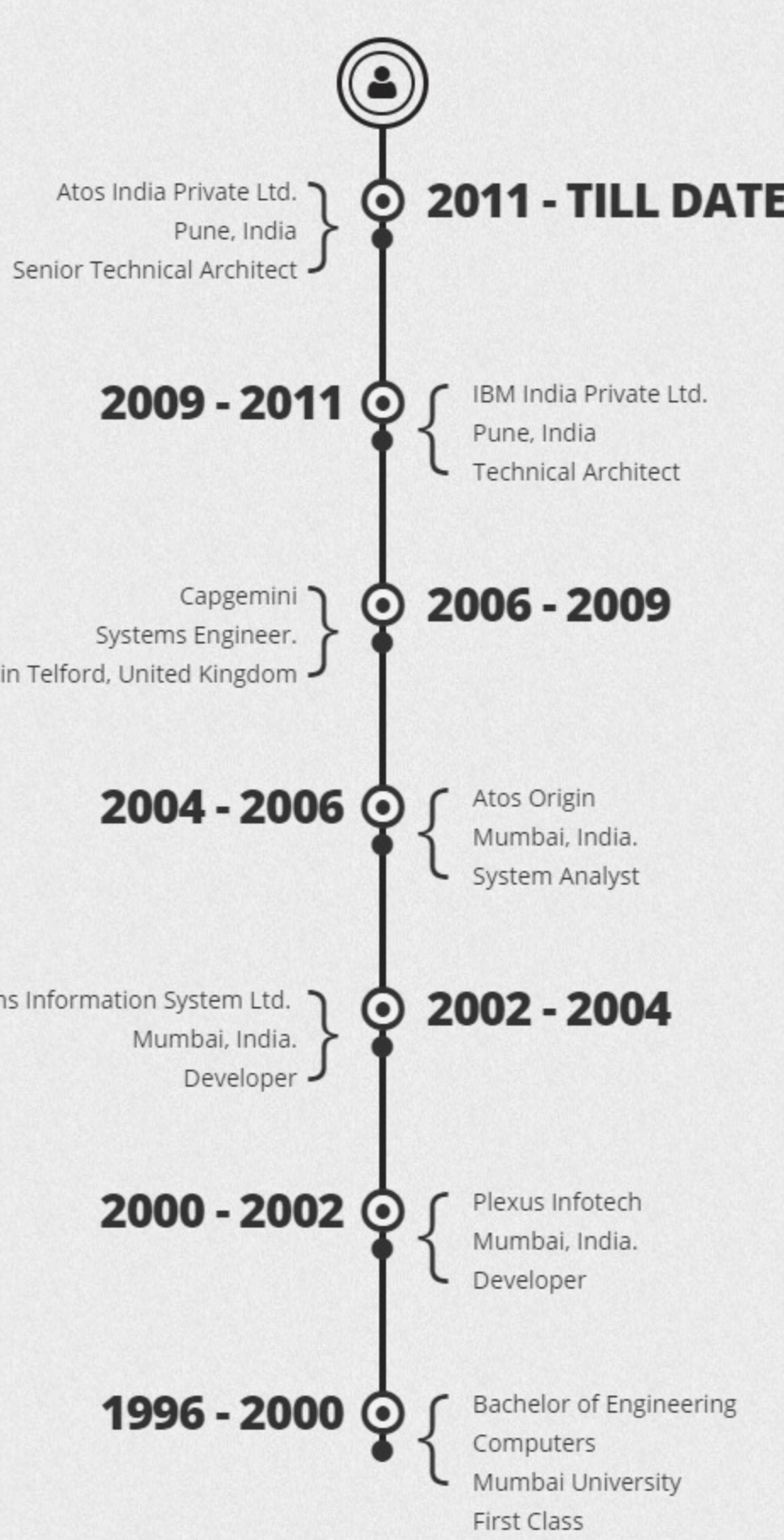
SMART CARD BASED TRANSPORT SOLUTION ATOS APRIL, 2013 - OCTOBER 2015

Designed a Smart ticketing solution for a major client in the UK. Responsible for defining, documenting and articulating functional scope

ROLES & RESPONSIBILITIES

- Maintain and evolve software architecture documents based on evolving system requirements and trends and technologies.
- Participate in the system specification review process to ensure system requirements can be translated into valid software architecture
- Ensure the overall integrity of the software architecture and validates it against the system specification.
- Liaise with the Software Development and Build/Deploy teams to ensure consistency and adherence to processes
- Define and help enforce development guidelines, standards and processes across the development team
- Define Security Architecture, API Security Architecture
- Analyze risk and report problems in meeting system requirements.
- Assist Software Designer/Implementers with the creation of detailed software design specifications.
- Participate in the review process for software architecture documents.
- Perform detailed software code review as per the defined guidelines and checklists
- Provide support to Developers

EMPLOYMENT HISTORY



COURSES

ATOS EXPERTS PROGRAM CAMBRIDGE, UK & PADERBORN, GERMANY

Atos Experts program is a very prestigious program conducted together with University of Cambridge and University of Paderborn. The aim of the program is to train top experts, working with colleagues and clients, to identify, design, sell, and deliver value adding solutions to clients' evolving needs.

This course is designed for a cloud practitioner's hands-on experiences with AWS by covering the basic AWS Cloud services and concepts within the scope of the AWS Certified Solutions Architect - Associate exam

AWS ASSOCIATE ARCHITECT ONLINE

MACHINE LEARNING COURSERA - STANFORD UNIVERSITY

This course provides a broad introduction to machine learning, datamining, and statistical pattern recognition. Topics include: (i) Supervised learning (parametric/non-parametric algorithms, support vector machines, kernels, neural networks), (ii) Unsupervised learning (clustering, dimensionality reduction, recommender systems, deep learning), (iii) Best practices in machine learning (bias/variance theory; innovation process in machine learning and AI)

REFERENCES



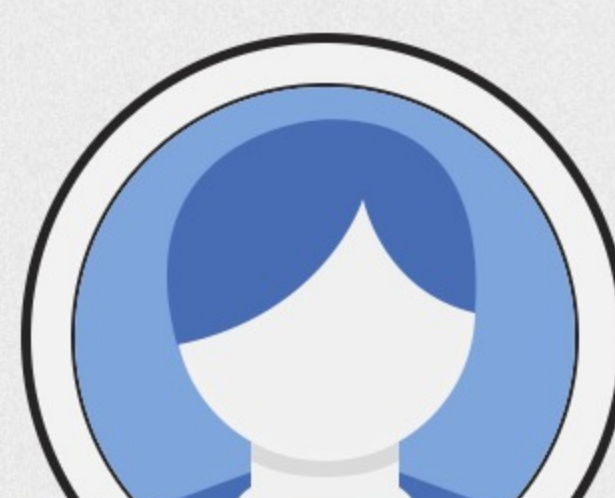
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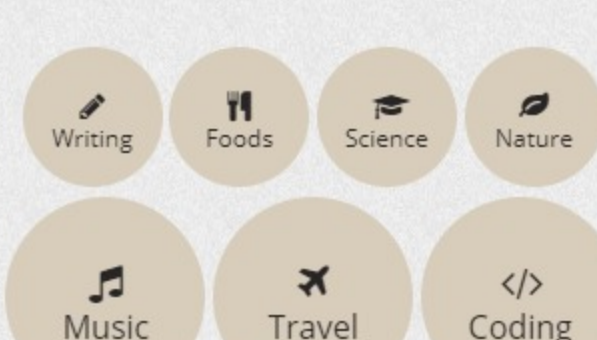
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PROFILE



PASSIONS & INTERESTS

