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# NABEEL BUKHARI

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### **SPECIALITIES**

Gumptious, Problem Solving, System Design, Ownership, Leadership/Mentoring, Algorithms, Data-Oriented

#### **EMPLOYMENT**

## **Staff Software Engineer**

# **Booking Holding - Agoda**

February 2021 – Present

Multi-Product Booking Engine

 Leading the effort of implementing multiple redirect payment methods which include both synchronous and asynchronous flows. It requires careful designing of new flows which helps with easy integration of new payment gateways hence adding the flexibility of new payment methods development.

# **Senior Full Stack Engineer**

**January 2017 - January 2021** 

**Booking Form** 

- Design and development of the Web (Desktop/Tablet) UI using React. Lead the whole effort using a small team and delivered the major milestones covering more than 50% of existing traffic in less than a year.
- Design and development of Booking Solution for Web/App with development of unified gateway to booking endpoints. Integration with new systems/end points for unification of back-end for all FE systems.
- Performance improvements which decreased the page load time from 1200ms to 400+ms at the 90<sup>th</sup> percentile.
- Implemented business features that helped in booking increase by 20% through A/B testing and experimentation.
- Design and development of new payment models which required Implementation of new flow throughout the funnel and working with multiple system of Agoda.
- Added resiliency for dependencies using circuit breaker which helped in avoiding a situation like high page load by a factor of 90%.
- Handling, analyzing/solving production incidents such as high page load, bot traffic and environment failures.

#### Senior .Net Developer

### Veripark

September 2015 - December 2016

Veribranch

- Optimized core operation performance by introducing caching, parallel execution of independent tasks & non-blocking IO operations with filtration of sensitive data using masking while logging.
- Working with client team in decommissioning of VeriPark Integration Layer and replacing it with light weight transformation layer which increased performance by 2x.
- Design and development of core business use-cases for retail banking system like cash deposit/withdrawal, loan handling/disbursement, loan/credit lending, debit/credit card operations etc.

# **Senior Software Engineer**

### MFsys Pvt. Ltd.

May 2014 - August 2015

- Enhanced Centralization compatibility with DB2 and MySQL with smooth configurable deployment both on WebLogic and WildFly.
- Improved Centralization with Load Balancing and High Availability using WebLogic Clustering, HAProxy and MySQL Fabric Replication.

# **Software Engineer**

September 2012 – April 2014

- Centralization of CM&B with migration of application technology from EJB 2.0 to EJB 3.1, Business logic rewriting and performance enhancement.
- Middleware development for Inter-Branch transactions over network with store and forwarding capability.

Banckle Web/Admin/Payments

- Payments Module development including features for products, plan schemes, promotions, purchases, account subscription, affiliate tracking and transaction management.
- Integrated National Australian Bank and Dynabic Billing with Banckle Payments System
- Full technology stack development includes developing and testing APIs for data access, business logic and UI; maintaining CMS solution for Banckle Web, deployment and maintenance.

# Software Engineer Interactive Group of Companies

August 2010 - Oct 2011

**Hospital Management System** 

- Back-End development on multiple modules of HMS. Designed API on top of Aspose API for binding data for printing reports using templates.
- Development include writing and testing APIs for data access and business logic.

### **Software Engineer, Intern**

### **Bentley Systems**

March 2009 - August 2009

**I-Model Toolkit** 

- Created application on top of the EC Framework, using technologies focused on Microsoft .NET. This includes advanced debugging/fixing of software bugs and developing new features.
- Developed add-in for Bentley's Product "Micro-station" using Visual C++, C# and NUnit.

## **Software Engineer, Intern**

### The First Microfinance Bank

June 2008 - August 2008

Attendance Management System

- Designed database and implemented data access layer using JDBC and IBM DB2.
- Designed and implemented user interface for user management and attendance marking using JSP, jQuery,
  CSS and HTML.

#### **EDUCATION**

### National University of Computer and Emerging Sciences, Islamabad.

Fall 2006 – May 2010

- B.Sc. in Computer Science, May 2010. In-major GPA: 3.4.
- Coursework: Data Structures; Algorithms; Databases; Programming Languages; Operating Systems; Artificial Intelligence; Comp. Networks; Numerical Analysis.

#### **ADDITIONAL EXPERIENCE AND AWARDS**

- Instructor (2008 2009): Taught two full-credit Computer Science courses; average ratings of 4.8 out of 5.0.
- Third Prize, Senior Design Projects: Awarded 3rd prize for Synchronized Calendar project, out of 100 projects.

### Languages, Frameworks and Technologies

Languages: C#; Java; SQL; Typescript; JavaScript

Databases: Microsoft SQL Server, MySQL; IBM DB2; Couchbase

Servers: IIS; Oracle WebLogic; Wild Fly;

Tools/Technologies: ASP.NET MVC/Core + WebApi, REST, React, Knockout.js, Redux, Bootstrap, HTML,

Gulp, Webpack, Consul, Kibana, GitHub, ReSharper, Grafana

CI/CD: Team City, SonarQube, Docker

Testing: NUnit, Moq, Jasmine, Jest, Regression/Integration Tests, Selenium

**Tracking:** Jira, Confluence **Agile Methodologies:** Scrum