

S U M E E T B A T H E J A

Software Engineer



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PROFILE SUMMARY

- Master's graduate in Informatics from Technical University of Munich with professional experience in both startups and big corporations
- A team player, worked in inter-cultural, inter-disciplinary agile times, lead a team of four for a project at University
- Experienced with development of full stack of web applications across different frameworks and programming languages
- Developed and released JavaScript based open source plugins for mobile application development
- Currently working part – time at Rohde & Schwarz and looking for full time opportunities primarily in the area of Software Engineering and Development

SKILL SETS

Programming Languages

Proficient in Core Java, JavaScript(ES5 and ES6+), C, TypeScript
Competent in BrightScript, SQL, Python, C#, R
Beginner in Scala, Go

Frameworks and Libraries

NodeJS, Angular, NativeScript, Express, ASP.NET MVC, jQuery

Additional Technologies

Docker, MongoDB, RPi.GPIO, AWS IoT Cloud, Git, Jenkins, Webpack

Markup and Data Interchange Languages

HTML5, XML, JSON, YAML

LANGUAGES

- English (Fluent Proficiency)
- German (B 1.2)
- Hindi (Native or Bilingual Proficiency)
- Marathi (Native or Bilingual Proficiency)
- Sindhi (Mother Tongue)

WORK EXPERIENCE

Working Student at Rohde & Schwarz, Munich

Nov 2019 - Present

Working in the Project and Portfolio Management team on a C# ASP.NET MVC application for project tracking, costs and revenue calculation and reports generation. Responsibilities include:

- Configuration and maintenance of Jenkins and Gitlab
- Server-side API design and development
- Frontend development of both older jQuery based and newer Angular based UIs, handling of MSSQL Database and SSRS and build system

Working Student at Interfacewerk, Munich

Mar 2019 – July 2019

Involved in API design, development, testing and maintenance of UI libraries in direct co-ordination with the CTO. Primarily tasks included:

- Frontend development using Angular 7
- API design of internal UI Libraries
- Development of web components using stencil JS

Internship at Volkswagen Data Lab, Munich

May 2018 – Sept 2018

Developed and deployed a user management tool for internal business intelligence application on Cloud Foundry. Primarily responsible for migration to Angular 6, design and restructuring of Python Flask APIs and development of analytics dashboard.

Co-founder and Software Developer at VideoSpike Software Services LLP

Jan 2015 – July 2017

Worked on development of video streaming applications on major OTT devices such as Samsung Smart TV, Amazon Fire TV, Roku, android set top boxes and phones, Apple TV and iOS devices. Configured Google Analytics and DFP for real-time analytics of videos being watched and dynamic video ads injection. Worked on developing a framework that translates HTML and JavaScript abstract APIs to platform specific code from a single source. I was also involved in client communication and requirement analysis.

Associate Software Engineer at ACI Worldwide

July 2014 – Jan 2015

As a part of migrations team, upgraded electronic funds transaction and post-office processing components from obsolete internal framework versions to newer framework versions for active customers. Worked primarily with Core Java, MSSQL server and python build scripts.

PROJECTS

Design Thinking Project with BMW

Sept 2018 – June 2019

As a part of inter-cultural, inter-disciplinary team of students from Technical University of Munich and Kyoto Institute of Technology, participated in creation of connected experience in autonomous cars using user-centric Design Thinking approach. Conducted user interviews, developed prototypes that used speech recognition to detect mood and suggest apt actions based on current mood of the user. Traveled to Kyoto to build prototypes and presented the results at St. Gallen in Switzerland.

iOS Application Project with BMW

April 2018 – July 2018

Extensively worked on building the network for a blockchain based app using Hyperledger Fabric and Composer for supply chain management in agile environment. Modified existing open source off the shelf libraries to meet the requirements. Deployed the network using Docker.

EDUCATION

Msc. Informatik – Technical University of Munich

2017-2020

Specializations: Software Engineering, AI and Robotics, Formal Methods and its Applications

GPA: 1.5

Thesis: 'Runtime Platform for Opportunistic Service Composition' - I developed a Java platform for micro-processor based devices to deploy applications that adhere to pico-services architecture.

Successfully completed the following relevant courses:

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| i. Data Analysis and Visualization in R | iv. Applied Bio-robotics |
| ii. Internet of Things and Services | v. Natural Language Processing |
| iii. Patterns in Software Engineering | vi. Software Engineering for Business Apps |

Bachelor of Engineering in Information Technology

2010-2014

Secured first class with distinction at Sinhgad College of Engineering, University of Pune

Additional Contributions

Developed open source plugins for NativeScript ecosystem.

- Image Cache (<https://www.npmjs.com/package/nativescript-web-image-cache>)
- Screen Orientation (<https://www.npmjs.com/package/nativescript-screen-orientation>)