

RABIN PUN

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PROFILE

Technically competent with good experience in mobile application development. Strong programming skills (OOP) with a good understanding of Software development life cycle. Enthusiastic to learn new IT tools, techniques and skills. Seeking for a junior software developer opportunity in a fast-paced tech company that offer a good career prospects.

TECHNICAL SKILLS

Programming Languages: Java, Java Script, HTML5, CSS

Technologies and Tools: Xcode, Visual Studio Code, GitHub, IntelliJ IDE, Eclipse IDE, REST API, JWT authentication, Postman, Heroku, JIRA, Trello

Frameworks: React Native, React, Express Nodejs

Databases: MySQL, MongoDB

Testing: JUnit, Jest and Enzyme, Appium (GUI automation)

Methodologies: Agile scrum, Waterfall Model

Operating System: Windows, Mac OS X

EDUCATION

09/18 – 09/19: MSc Computer Science (Merit 67.5%), University of Birmingham

Modules include:

Software Workshop (Java):

- Learned advanced object oriented programming language and developed software development skills through JAVA.
- Exposure to concurrent programming using threads and network communication via sockets.
- **Team Project:** Build an interactive system called "SPORTS MATES". Tools used were JavaFX (GUI), coding (IntelliJ/Eclipse), Database (PostgreSQL). The aim of the project was to find a group of people who would like to play a sport at a particular time and day every week. In this team project, I was responsible for implementing client - server architecture and use case diagram.

Software Engineering:

- Competent in software development lifecycle, project management techniques (planning, estimating, monitoring progress, risk management) and design trade-off analysis of various software architectures.
- **Team Project:** The purpose of the report was to engineer an innovative application with the data provided by the BIFoR (The Birmingham Institute of Forest Research). While working in a team, we engineered an interactive E-learning web based application using UML (Unified Modelling Language). As a team leader, I was responsible for managing the team well and ensuring each team member has completed their task on time. Moreover, I wrote the system requirements and designed the architectures. The team scored 87/100.

Databases:

- Strong practical experience on fundamentals of databases such as query languages, Entity Relationship modelling, Logical design of databases, Relational algebra and Design theory of relational databases.

Data Structures and Algorithm:

- Good understanding of abstract data types (List, Stack and Queue), time complexity, sorting algorithms, hash tables and graphs.

Other taught modules: Operating Systems and Networks, Introduction to Artificial Intelligence, Introduction to Computer Science, Human Computer Interface (HCI).

MSc Project Title:

"Expense Tracker: Personal Financial Management iOS Application using React Native Framework".

- The project aimed at developing a reliable, cost-free, user-friendly iOS mobile application to help adults who have difficulty in managing finance.
- The built features includes: secure login, view all user's spending in one place, track and limit budget, categorise transactions into different category, display spending data in an animated pie chart and forecast spending using linear regression.
- React Native Framework was used for implementing front end where code was written in Xcode.
- Server-side was built using Express Node.js framework and deployed in Heroku.
- API routes were written in node.js and authenticated using JSON Web Token (JWT).
- MongoDB was used to store data as it grows with user needs and easy to scale.
- Jest and Enzyme were used for unit testing whereas Appium was used for UI automation testing.
- Several React Native library were used such as react-native-date picker, react-native-vector-icons, Victory pie, react-native-progress-bar-animated and Node Mailer (email sending).
- Written codes were frequently uploaded into the GitHub.

06/11 – 06/14: BSc (Hons) Nutrition 2:1 (67%), Oxford Brookes University

09/08 – 06/10: Reading College, Reading

A Level: Math, ICT, Biology, Chemistry (Grade B-C) **GCSEs:** Math and English (Grade A-C)

WORK EXPERIENCE

June 2019: ServiceNow Boot Camp for 3 days at University of Birmingham

- Studied ServiceNow Modules: Application Development Overview, Analysis and Design, Creating Application and Modules, Application Forms, Controlling Access, Automating Work.
- Completed exercises after finishing each modules.

03/16 – 09/18: Microbiology Analyst, Thames Water, Reading

- Analysed raw and drinking water samples, dealt with customer complaints samples and report to Water Quality Team in order to provide safe drinking water to customers.

03/15 – 02/16: Product Development Lab Technician, Britvic Soft Drinks Ltd

- Collaborated with NPD managers and developed several soft drink samples for market research, quality assurance purpose and stability trials.

INTERESTS AND ACHIEVEMENTS

Interests: Web and mobile apps, Tech News, Photography, Healthy Diet, Fitness, Football, Travelling and exploring different cultures, Meeting new peoples.

Achievements: "Take ownership" award with £25 gift voucher from Thames Water Company for dealing professionally with samples and associated courier disruptions on weekends.

References available upon request.