Karan Gupta

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Education

Bachelor of Computer Science | The University of Adelaide; **GPA: 6.3/7.0**

Work Experience

Full Stack Software Developer | Rapid Global Pty Ltd; Adelaide   Jan 2023 – Present
- Rebuilding three flagship products end-to-end from scratch called MyRapid, Trainee Portal and Rapid Incident Reporting which are crucial to the organization's revenue stream using agile methodologies for efficient project management.
- Comprehensively working on React.js to craft seamless user experiences from Figma designs and extensively building robust RESTful APIs with ASP.NET Core, adhering rigorously to SOLID principles, ensuring scalability, and maintainability.
- Implementing Jest unit testing for frontend components, safeguarding code reliability facilitating continuous integration and conducting code reviews and providing constructive feedback to team members, fostering a culture of continuous learning.
- Collaborating closely with cross-functional teams to gather requirements, iterate on designs and participate in product roadmap planning sessions, contributing innovative ideas and insights to drive product evolution and differentiation.
- Played a pivotal role in the project which resulted in achieving a 33% increase in revenue and improvements in KPIs overall.
- **Technologies used: React JS, Redux, JavaScript, Jest, Bootstrap, SCSS, ASP.NET Core, C# and MS SQL Server.**

Full Stack Software Developer | Lumient; Adelaide   Mar 2022 – Dec 2022
- Spearheaded the development and managed a project exceeding a million dollars in value of a cutting-edge, web-based fully automated Wool Management System for a company called Elders, a prominent Australian agriculture company.
- Utilized Vue.js extensively to translate Figma designs into highly functional, visually appealing landing pages.
- Engineered powerful RESTful APIs using ASP.NET Core with C#, adhering to SOLID, DRY and KISS principles.
- Applied Agile and Scrum methodologies, fostering collaboration and transparency, and conducted regular code reviews.
- Aiding in project success its potential as a lucrative software solution for Elders, yielding a 13% decrease in labour.
- **Technologies used: Vue JS, TypeScript, Bootstrap, Kotlin, ASP.NET Core Web API, C# and MS SQL Server.**

Full Stack Software Developer | ACURA Group Australia Pty Ltd; Adelaide   Dec 2021 – Feb 2022
- Led the transformation of Highgate Air's large-scale eCommerce website, overseeing a pivotal renovation aimed at delivering a highly performant customer experience and driving significant revenue growth for the business.
- Widely used React.js to transform Figma designs into eye-catching landing pages, and enhanced user engagement.
- Architected strong RESTful APIs using Node.js, adhering strictly to REST, DRY, and KISS principles, to optimize performance.
- Developed mobile application from the ground up, leveraging React Native to expand reach across different platforms.
- Aligning with business objectives resulted in a remarkable 10% increase in revenue and notable improvements in sales.
- **Technologies used: React JS, React-Native, TypeScript, Magento, Bootstrap, PHP, and SQL Server.**

Full Stack Software Developer Intern | eBottli; Adelaide   Sep 2021 – Nov 2021
- Directed the development of a ground-breaking eCommerce website for official Winegrapes Australia, an official platform for selling premium wines made from winegrapes, heralding a significant milestone in their business strategy to secure funding.
- Leveraged Angular.js and Node.js incorporated JWT Authentication to secure interactions between the frontend and backend
- **Technologies used: Angular JS, Google Maps and JWT Authentication, Bootstrap, Node, Express and Firebase.**

Back-End Software Developer Intern | Colakin; Melbourne   Jun 2021 – Aug 2021
- Executed strategic solutions through the development of robust and maintainable microservices RESTful APIs to address sizing challenges within the clothing industry to enhance the overall customer experience to increase customer retention.
- Took ownership of the platform conducting a comprehensive analysis to develop efficient solution in Spring Boot and Node.js
- **Technologies used: Vue JS, Java Spring Boot, Node JS, Bootstrap, Python, Mongo DB, PostgreSQL and Graph QL.**

Front-End Software Developer Intern | Accede Holdings Pty Ltd; Adelaide   Mar 2021 – May 2021
- Orchestrated the designs into innovative front-end UI for an automated kitchen management application for Royal Adelaide Hospital, guaranteeing optimal functionality across various devices and thereby maximizing accessibility for the end-users.
- Actively contributed to accessibility features and testing to identify potential UI inconsistencies or performance bottlenecks.
- **Technologies used: JavaScript, Twig, PHP, Bootstrap, MS Access, MS SQL Server.**

Technical Skills

Programming Languages: C++, Java, PHP, JavaScript (ES6), TypeScript, C#, Python, Kotlin, CSS and SQL.

Web Technologies: React, Redux, Next, Angular, Vue, Jest, Spring Boot, ASP.NET Core, Node JS, Bootstrap (SCSS), Graph QL.

Databases: MySQL, MS SQL Server, PostgreSQL, MongoDB and Google Firebase.

Others: Git, Team Foundation, Jira, Object-oriented programming, Restful APIs, Data Structures & Algorithms and Agile / Scrum

Leadership: Emotional intelligence, Effective communication, Collaborative behaviour, Attention to detail, Empathy, Mentorship.

Personal Projects (Click on each ↗ to see the LIVE DEMO)

Shop.Co, E-commerce (React Js, Tailwind, Node, Express, JWT Authentication, Payment Gateway, MongoDB) ↗ *Mar 2024*
- Developed an end-to-end full-stack e-commerce platform from scratch, widely used React and Tailwind for intuitive UI/UX design.
- Heavily utilized Node.js and Express.js to construct a resilient RESTful API, implementing JWT authentication for enhanced security.
- Integrated Razorpay payment gateway to enable seamless real payments, ensuring a smooth transaction experience.

AusCycling SA, RacePower Plan Prediction (React JS, Chakra UI, Node, Express, Python, Firebase) ↗ ↗ *Nov 2022*
- Predict and coordinate the race performance of an athlete which is the power of athlete needs to achieve a desired time.
- Users will be able to establish an optimal race plan given some set of inputs regarding an athlete's physiological profile.
- Produce real-world impact by empowering elite coaches & cyclists to perform at their maximum potential on the world stage.

Cooking Hub (ASP.NET Core MVC, Entity Framework, xUnit, Cloudinary, AJAX, jQuery, C#, MS SQL Server) ↗ Apr 2024
- Developed Cooking Hub, a web-based software designed to meet diverse needs related to home cooking and healthy living.
- Created an intuitive and user-friendly interface resembling social media platforms, enabled users to browse cooking recipes and health-related articles without requiring registration and facilitated a community for users to share experiences, recipes, and articles
- Provided features for users to write, review, rate, and comment on recipes and articles within the application.

Cinema World (ASP.NET Core MVC, Entity Framework, xUnit, Cloudinary, AJAX, jQuery, C#, MS SQL Server) ↗ Feb 2024
- Designed a modern graphical interface for enhanced user experience with a modern graphical interface for diverse user needs
- Integrated a comprehensive search bar for efficient information retrieval across to cater to various user requirements.
- Implemented a subscription feature for email notifications about new movies, news, and schedule updates.

Healthy Food (ASP.NET Core MVC, Entity Framework, xUnit, Cloudinary, AJAX, jQuery, C#, MS SQL Server) ↗ May 2024
- An app to provide a platform for culinary enthusiasts and food preparation organizations to discover healthy recipes and articles.
- Integrated a calorie calculator to help users estimate daily calorie expenditure for weight gain, maintenance, and loss.
- Implemented a custom-built chat system with AI Bot-driven Q&A support for user communication and assistance.

COVID-19, Contact Tracing Web Application (Vue JS, Custom CSS, AJAX, Node, Express, MySQL) *Jan 2022*
- Allows users to check-in when they visit businesses/public places using GPS Location, and even shows hotspots/areas to avoid.
- Alerts Health Officials/Admins if the user has come into contact with a hotspot, then Admins create and manage hotspot venues.
- Venue Managers/Owners are able to manage their venue information and view the check-in history for their venue.

See Adelaide, Tourism (React Native, Redux, Custom CSS, Google Maps API, Firebase) ↗ *Nov 2021*
- Built a Tourism App for International Students that promotes various attractions throughout the city of Adelaide.
- The App provides brief synopsis for a variety of places in Adelaide on One current Location.
- Collaborating with entrepreneur team to get the business idea which will result in making the app more user-friendly and reliable.

EasyTube, Simplified YouTube (React JS, Custom CSS, Node, Express, MongoDB, Google Authentication) ↗ *Feb 2022*
- Node and Express make it very easy to build powerful APIs, which is exactly what we need for our YouTube app.
- Users can upload a video from React to Cloudinary by using a file input, with which we'll select our video file from our computer.
- The backend is for authentication of users and making sure they can access the right content by providing the video data.

Adelaide Car Rental (React JS, JavaScript, Styled Components, Bootstrap, SCSS, Figma) January 2024
- A car rental website functions as a digital platform enabling individuals and businesses to hire vehicles for their needs.
- It offers a user-friendly interface to browse, contrast, and book from a diverse range of cars, encompassing various, models.
- Heavily utilised, React Js, Hooks & different style components and created my own Figma design and then transformed it.

Gymate, Fit Planet (React Js, JavaScript, Tailwind, SCSS, Figma) February 2024
- Gymate provides a space for people to improve their physical fitness and health through regular exercise and physical activity.
- Extensively utilizing React Js and Tailwind CSS for efficiently styling UI, ensuring a visually appealing and user-friendly experience.
- Created a customized Figma Design to meticulously plan and visualize the website's layout, ensuring seamless navigation.

Cab Service (HTML, CSS, Bootstrap, JavaScript, PHP, MySQL) ↗ *Jun 2021*
- Programmed a real-time Cab Service online system through which customers can view available cabs; register and book the cabs.
- Platform also offers an admin interface where the taxi company can manage the content, access bookings and customer information.
- This project intends to introduce more user-friendly in various activities such as record updating, maintenance, and searching.

Achievements

- Outshined **4 Software Engineering Internships and 2 Software Developer Part-Time Jobs** during my bachelor's degree.
- Accomplished solving **500+ Data Structures and Algorithm Questions on LeetCode** with an Annual Badge of 300+ Days.
- Scored a remarkable **98.6% in the TestDome Online Assessment** during Top Tech companies hiring procedures.
- Hired as **Youngest Student Researcher (Research Assistant)** in Parson's Puzzle underlead the lead of Dr Cheryl Pope.
- Offered a **Fully Funded PhD** in Computer Vision at The Australian Institute of Machine Learning.
- Secured **Rank 1** in the entire Undergraduate Kaggle Competition for Computer Vision among all 237 participants.
- Accomplished a **Rank of 10** in Jane Street's Virtual ETC among 162 groups in Australia.
- Scored a **Rank of 36** in The ANZAC round for Competitive Programming among 236 teams in Australia.
- Achieved a **Rank of 41** in (ICPC) Regional 2021 among more than 500+ groups in Australia.

References

- Upon Request.