Rupesh Shrestha

Full Stack Developer / Software Engineer

JavaScript | Python | AWS | React | Nodejs | React Native

LinkedIn | GitHub | Portfolio

Sydney, NSW
No Sponsorship Required.
Unrestricted working rights.
Graduate Visa 485

Happy to **relocate** within 1 month

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SUMMARY

- Junior Full Stack Developer with over 12+ months of hands-on experience. I'm proficient and love coding in Python, Javascript, React, and React Native.
- Led a team of 5 to deploy a critical feature for Faethm's workforce AI platform, utilized by industry leaders such as KPMG, Rio Tinto, and Telstra.
- Spearheaded another team of 5 to design and build a fully functional web application (1.4k+ users) enabling P2P (peer-to-peer) blood donation.
- Acquired strong communication skills through a consulting internship and 3 years of experience in a customer service role.

SKILLS

Great	Nodejs, JavaScript, Python, React, TypeScript, Express, GitHub, Git, MongoDB, APIs, Agile, VSCode, Jira, Confluence, Figma, Bootstrap, Tailwind CSS
Good	React Native, C#, Java, FastAPI, Postgres, TDD, Unit Test, Design Patterns, Containerization
Acquiring	Lambda(AWS), EC2, DevOps, Cloud Infrastructures

WORK EXPERIENCE

Faethm By Pearson - Full Stack Developer, Sydney   **Feb 2023 - Jun 2023**

> Faethm, with 93 employees, is a workforce AI and predictive analytics company, specializing in providing tailored insights for strategic workforce decisions.

Responsibilities: Our team of five was tasked with developing a visually appealing feature for internal use, leveraging AI tools to transform mundane and confidential data, ensuring compatibility across various devices, and conducting tests to ensure seamless data synchronization for the 93 staff members within the company. In my role, I handled a diverse set of responsibilities, with a predominant focus on frontend tasks constituting about 60% of my duties, followed by 40% dedicated to backend work. Additionally, I actively contributed to documentation efforts associated with the projects.

Technology Landscape: 5 engineers (web applications, platform, security) React, TypeScript, Javascript, npm, Node.js, Github, Git, Linux, D3.js, Slack, VSCode, Confluence, Jira, Discord, Auth0

Key contributions:

- **Reported directly to the Data Engineer** and had access to secure and confidential data for the creation of a user-friendly interface.
- **Designed and implemented** the frontend interface and architecture to meet the specified goals.
- **Carried out an agile approach** maintaining continuous collaboration with expert engineers to design and execute the most effective strategies to achieve goals.
- **Led a team** of 5 with mentorship from senior engineers to deploy a critical feature to Faethm's analytical workforce platform, which is used by companies like KPMG, Rio Tinto, Telstra, and Zurich.
- **Employed** React for front-end development and Visual Studio Code, Git, and GitHub for coding and version control.
- **Implemented** D3.js and TypeScript to craft user-friendly interfaces and data visualizations.
- **Delivered** projects on time with comprehensive technical documentation, overcoming all challenges.

Blood Connect App - Software Engineer (remote)　　　　　　**Jan 2022 - Dec 2022**
> Android application to facilitate peer-to-peer live blood donation

Responsibilities: Worked and led on building a fully phased Android mobile application. Involved in all aspects of the development lifecycle including analysis, design, implementation, testing, debugging, and deployment.

Technology Landscape: 5+ engineers, 2 UIUX engineers, 4+ marketing and volunteers using Github, Azure, Firebase, Java, JavaScript, Kotlin, and Git.

Key contributions:

- **Coordinated** with a 5-person team to design and build a fully functional application (1,400+ users) facilitating peer-to-peer blood donation and on-call ambulances using Azure, Java, VSC, Google Developer, and GitHub.
- **Programmed** on integrating an API using JavaScript and generated a unit test to test reliability. Delivered successful processing of rest API and database for the end user using JavaScript
- **Led and managed all Agile meetings** in my team ranging from sprint planning to scoping and reviewing.
- **Strategize** the marketing and advertisements to board more volunteers and users on our platform.

Personal Projects as a Full Stack Developer　　　　　　　　**Jun 2023 - Ongoing**
Admin Dashboard　　　　　　　　　　　　　　**Completion date Sep 2023**
Architected and executed the development of a user-friendly admin dashboard, utilizing JavaScript, React, Express.js, and MongoDB; enabled administrators to monitor real-time data, leading to informed decision-making and enhanced productivity within the organization.

Technologies Used: JavaScript, React, Express.js, MongoDB |Check it out here Source Code

Social Media Application Backend   **Ongoing**

Engineered a data-driven backend architecture for a social media app, leveraging Python and FastAPI framework; optimized SQL data management to ensure efficient server-to-front-end communication, resulting in enhanced user experience and increased engagement.

Technologies Used: Python, FastAPI, SQL, GitHub, CI/CD, Swagger, Heroku | Check it out here Source Code

Web Scrapper   **Completion date Oct 2023**

I have developed a web scraping application that allows users to monitor the prices of items and receive email notifications when the price decreases.

Technologies Used: Nextjs, MongoDB, Github, Vercel | Check it out here Source Code

Lyft X Forage, Software Engineer (Virtual Intern)   **Jul 22 – Jul 22**
- Refactored and improved complex architecture design using OOP and Concurrency.
- Restructured a unit test for a new refactored designed architecture.
- Implemented an additional functionality using TDD and monitored its reliability
- Remodeled a messy design architecture with clean and readable architecture using Java.

Jp Morgan X Forage, Software Engineer (Virtual Intern)   **Jun 22 – Jun 22**
- Built an interface with a stock price data feed and set up a system for data analysis using Python and Git.
- Implemented Perspective open-source code in preparation for data visualization using Jupiter Notebook.
- Used Perspective to create a chart for a trading dashboard using Python.
- Contributed to Perspective and project backlogs

EDUCATION

BSc, Information Technology (Software)   **Feb 2020 - Jul 2023**
Macquarie University, Australia
Relevant Courses: PACE Program, Software Engineering, Web Development, Mobile Application Development, Object-Oriented Programming, Data Structures & Algorithm

HOBBIES

- **Exploring** the nearby forest on my bike is a favorite hobby of mine.
- **Cricket lover:** playing, watching, and living for the game Nepal & Australia.
- Passionate about **continuous learning** across government economy and finance.