Ross Charlton

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Age: 24

PERSONAL PROFILE

I am currently managing IT for Screen Services NE Ltd, however, I feel like I have reached the limit in terms of what I can do in my current position. I am always aspiring to learn more, so I feel like this is the right time for me to move on. I have recently reignited my passion for writing my own code, which I haven't done since college. At the moment my primary focus is creating full-stack web apps just to get experience in all areas, however, I am willing to specialise in a certain area if the right opportunity comes along.

Although I don't have much practical experience in full-stack development, I have picked up the basics quickly and I feel like I would be a perfect blueprint for a company looking to train a junior full-stack developer.

Self-taught
- Java fundamentals
- Creating and Consuming APIs in Java and even creating my own CRUD Rest API Using Springboot
- Save and retrieve data from the MYSQL database using native java and also with Springboot & Hibernate
- JavaScript & React fundamentals, and basic hooks such as useState, useEffect
- Typescript
- Consuming APIs, mapping and displaying data in react & JS
- How to use JavaScript and React frameworks such as NextJS
- Creating and Consuming API's in JavaScript with NextJS
- Creating and fetching data from a database and then displaying that data in a front end using NextJS
- Creating multiple sites with user-specific content in NextJS
- User authentication, with protected admin pages in NextJS
- Server-side rendering with NextJS
- Lots of different troubleshooting techniques, such as implementing loggers etc
- Creating backend API's with Express.JS and using tools like Prisma communicate with databases

Coding and software/web development is something I have been passionate about, however, I put them on hold due to an opportunity that arose at Screen Services which was too good to turn down. Now that I have achieved everything that I can within the business I want to change direction and dedicate my future to the coding industry.

CURRENT EMPLOYMENT & WORK EXPERIENCE

Screen Services, Cartmell Business Centre, Pelaw, NE10 0QD
June 2015 – Current.
Originally I approached this company and secured a work experience placement whilst at school, initially completing 2 weeks with them. I returned to the company during the above period and was employed on a temporary basis prior to my college course beginning. When I left college I returned to this company on a full-time basis.

When I first started my full-time job at Screen Services I was brought on as a Digital Print Operator, however, I quickly started identifying lots of problems in the production flow.   I voiced my ideas on how I thought things could be improved and was given the opportunity to implement my own solutions to help fix the bottlenecks I had identified.

From there, my role started to evolve from Digital Print Operator to IT Manager. I was tasked to carry out server maintenance, manage all of the company's endpoints and keep all software up to date.

I was solely responsible for:
- 9 Onsite Servers
- 3 Offsite Servers
- 5 VMware ESXi virtual servers
- 32 onsite Endpoints
- 3 Remote Endpoints
- Networking equipment

In order to do this efficiently and securely I suggested and set up a self-hosted onsite rmm tool. This allowed me to monitor, patch, diagnose and access everything in one place.

Skills I have learnt/used since my role change within screen services:
- Working with Linux servers
- Docker basics
- PFsence
- MySQL server basics
- Deploying applications
- VMware ESXi basics
- Creating automated backup schedules and Managing the backups
- Apache web server
- High volumes of troubleshooting

EDUCATIONAL HISTORY

Heworth Grange Comprehensive School, Sept. 2010 - June 2015

Studied all mandatory subjects along with double IT, Business Studies, Woodwork and Citizenship Studies.

Qualifications
- English, C
- Mathematics, C
- Electronic music production, Pass at level 2
- Computing, C
- ITC, Distinction
- Principles Of Applied Science, Pass at level 2
- NCFE LEVEL 2 CERTIFICATE IN EQUALITY AND DIVERSITY

FURTHER EDUCATION

EDX, November 2023 – March 2024

Front-end web development course

As most of my modern development skills have been self-taught i wanted to be sure I was following best practices so I enrolled myself on this edX front-end web development course. This course finishes in a month and I am currently at 100% for all my challenges and projects which is an A+ grade. Below is a list of skills I covered at EdX:

- Agile Development
- Git
- Intermediate JavaScript
- Intermediate CSS
- Intermediate HTML
- NodeJS
- Test-driven Development with libraries such as Jest
- jQuery
- React
- Rest APIs
- How to deploy web-based Apps
- Javascript ES6 & OOP
- Team collaboration
- Project demonstration and storytelling

Gateshead College, September 2015 – July 2016

2015 AAA0750 YRA BTEC Level 3 90-credit Diploma in Software Development

Studying level 3 software development, including graphic works, HTML and CSS development, Java, and Javascript, while learning how to complete the appropriate paperwork (planning, design, conclusion etc.). Within the course, I learnt how to write and make various web programs such as Java for backend and javascript for front end, Along with that I am also learning the appropriate design work to go alongside the program. During the college course I also completed some graphics work so I know how to use Photoshop and other programs from the Adobe suite. Below is a list of skills that I learnt at college:

-      Java
-      HTML
-      JavaScript
-      TypeScript
-      CSS
-      Photoshop and photo editing

Final Thoughts

As I feel so passionate about software development and progressing my career in this industry, I would be willing to terminate my current employment and work with you for a 2 month period without receiving a salary just to get my foot in the door.

Although I feel that I have the relevant skills required to perform well in the role, I also realise from an employer's perspective, I don't currently have the experience in this field to demonstrate my skills, hence the reasoning behind my offer. I understand that employing a person in my current position would be a risk and a potential barrier to gaining employment, therefore, this removes the employer risk and demonstrates my passion and dedication towards this role.

REFERENCES ARE AVAILABLE ON REQUEST.