

Steven Berrisford

Basic Information

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- Portfolio Documents: <https://1drv.ms/f/c/6a1fca619ccefd2d/EgW8Udqi2p5Ivuvw4zfKm2ABeq8DTyFZvfS07pIFNu1q2Q>
- Address: 80 Thetford Road, New Malden, Surrey, KT3 5DT, UK

Overview

I am a highly motivated and hardworking software developer, eager to contribute my skills to a full-stack software development position or related role. With 3 years of solid experience in building software products, I have the expertise to adapt quickly and make a positive impact on a diverse range of projects.

Skills & Teamwork Abilities:

- Experience: 3 years professional full-stack experience as a React developer, React Native developer, and Laravel developer.
- Additional Experience: 2+ years experience as a Python developer, Node developer including Django framework and Express framework.
- Technical Skills: Excellent skills in Amazon Web Services, Docker Containers, Kubernetes, and Terraform Infrastructure as Code.
- Mentorship: Skilled in mentoring juniors, fostering collaboration, and building connections with internal stakeholders.

Professional Experience

Scorchsoft Ltd

Role: Mid-Level Developer, Dates: July 2022 – September 2023

Key Responsibilities:

- Contributed to approximately 4 projects for a diverse range of customers.
- Participated in client meetings: negotiated requirements, took notes, outlined specifications.
- Mentored junior staff, assigned work packages, and steered the implementation of the specification.
- Collaborated closely with leads, junior team members, and project staff to ensure effective delivery.

Selected Projects (*some documents available):

1. Sector: Medical, Duration: 5 months
Contribution: I was the primary developer for a new development phase of an existing mobile application, and for a new full-stack web application. I adapted to new technologies such as Bluetooth, learned to work with Java, and adjusted to new internal processes. Additionally, the opportunity to deploy the full-stack application on AWS EC2 expanded my knowledge of Cloud deployment.
2. Sector: Diplomacy, Duration: 7 months
Contribution: As the primary developer from inception, I developed the MVP. I was challenged with working with a new junior developer and a junior project assistant. I mentored both, assigned tasks, provided guidance, and clarified requirements. The project required me to perform ETL operations on data from an external API and integrate geolocation services. The app is available on major platforms.

Scorchsoft Ltd

Role: Junior Developer, Dates: September 2020 – July 2022

Responsibilities:

- Contributed to approximately 6 projects for a diverse range of customers.
- Clarified requirements, estimated work packages, and developed full-stack web/mobile applications.
- Conducted testing prior to QA, using Kanban to enhance the understanding of the software development lifecycle (SDLC).
- Troubleshooted issues across the stack - from applications to deployment and operating systems.

Selected Projects (*some documents available):

1. Sector: Dating, Duration: 5 months
Contribution: I was assigned to be part of the development of a nascent and highly ambitious mobile and backend application. My contribution was primarily technical; I focused on building the UI, adding components, styling according to the specifications, and incorporating animations. Subsequently, I worked on image modifications, API calls, and push notifications. Finally, I implemented the whole games feature.

Additional Skills

- Programming Languages: Python, JavaScript, PHP, HTML, CSS, SQL, Bash, Java, MATLAB.
- Frameworks: Django, Flask, Pytest, Unittest, React, React Native, Express, Jest, Mocha, Laravel, Yii2, Socket.IO.

- Databases: MySQL, PostgreSQL, DynamoDB, MongoDB, Cassandra.
 - Data Science/Engineering: NumPy, Pandas, SciPy, Scikit Learn, Matplotlib, Beautiful Soup, Kafka, Airflow.
 - DevOps Tools: Git, Docker, Kubernetes, Terraform, Bitbucket, Jira, OpenVPN.
 - Cloud Tools: Route53, ECS, EC2, CodePipeline, ECR, CloudFormation.
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Software Development Training

Cenit College

Title: Skills Bootcamp in Cloud (AWS), Dates: October 2023 – February 2024

Experience: Gained a detailed understanding of the AWS Cloud, covering concepts such as shared responsibility, access management, security, deployment, operations, billing, and activities including quizzes and practical tasks. Undertook a major personal project and gave a presentation to the group.

Futureproof

Title: Full Stack Web Development Course, Dates: March 2020 – June 2020

Experience: Developed a comprehensive understanding of databases, programming languages, frameworks, APIs, and machine learning. Worked on several mini-projects and presented final projects to potential employers, enhancing employability skills.

IT Qualifications

- AWS: Cloud Practitioner.
 - IBM: Django Development, Node.js, Microservices & Serverless, Python for Data Science, NoSQL Databases, ETL & Data Pipelines, Containers (Docker, Kubernetes, OpenShift), Monitoring & Observability, Application Security.
 - BCS: Intermediate Enterprise & Solution Architecture, Foundation in Architecture Concepts.
 - LPI: Linux Essentials.
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Personal Projects

1. Title: Movie Predictor
Description: A Python web/ETL application deployed with Docker on AWS Infrastructure (ECS, Lambda, S3, CodePipeline). Built using Flask (web framework), Scikit Learn (ML library), and Matplotlib (graphing tool).
 2. Title: Web Library
Description: A scalable, fully unit tested MVC application built using Django (Python web framework). Deployed on a Kubernetes cluster (DevOps tool) and integrates with database microservices.
 3. Title: Terraform Visualiser
Description: A containerised full-stack application built using Express and React (JavaScript web frameworks). Queries a Kubernetes API to visualise clusters deployed on AWS using Terraform.
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Education

University of Exeter

Title: 1st Class Master's Degree in Mechanical Engineering, Dates: 2015 – 2019

Description: The basis for my final project was studying the thermal impact of phase change materials in buildings using computational modelling and applied machine learning. The degree also included advanced mathematics and business studies, providing me with a strong foundation for diverse career opportunities. I received a dean's commendation.

University of Exeter

Title: Research Bursary, Dates: May 2018 – August 2018

Description: Working with a small group of researchers, I helped to develop a system for generating extreme weather for use in building simulation. The work involved imputation, Copula statistics, Fast Fourier Transforms, and Genetic Algorithms, which were applied using MATLAB. The Research Bursary enhanced my basic coding and problem-solving abilities.

References (*available on request)

- Andrew Ward, CEO at Scorchsoft Ltd
 - Audrius Dobrovolskis, Lead Developer at Scorchsoft Ltd
 - Jordan Smith, Mid-Level Developer at Scorchsoft Ltd
 - Eleni Komminou, Project Team Member at Scorchsoft Ltd
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Interests

- Hobbies: Running, Dancing (Salsa, Bachata, and Swing), Singing (Choir).
- Languages: Norwegian, German (B1), Swedish (A2), French, Portuguese (A1).