



NEXUS ALPHA
TRANSFORMING YOUR JOURNEY

Graduate Software Engineer

SHAPE THE FUTURE OF TRANSPORT INFORMATION

KENT ROCHESTER OFFICE

Nexus Alpha Recruitment & Resources

T: +44(0)7970 754564 A: 7 Prescott House, Clapham, London, SW4 6BS E: laura.goldsmith@nexusalpha.com





Graduate Software Engineer

This role sits within our software development teams. These teams are responsible for the development of our Portal Website, Mobile App (iOS and Android), Control Room Systems and other public facing Customer Information Systems.

We are committed to using the latest technologies wherever possible, and as such require developers to embrace continuous learning. At Nexus Alpha we are always learning, and you will find many like-minded people looking to learn new things. We are also committed to high quality code and would like you to aspire to this goal.

Some developers will gravitate to front end or back end work, but we would encourage some crossover for a more balanced skill set over time. We think becoming a Full Stack Developer will help your overall understanding of software development and our products. For this reason, we offer and encourage, learning to work in more than one language. For example, to have C#/Java as your main language and to use JavaScript when required or vice-versa. If you prefer to specialise in just UI or Micro-services/Databases, we can also accommodate that.

We use several technologies for Web, App and Application development. Currently, these are C# .NET, ASP.NET Core, Java, Angular 11 and React Native. If you have experience in any of these, it could be an advantage.

Job Location

Our Rochester office; which is situated at Ashford House, Beaufort Court, Sir Thomas Longley Road, Medway City Estate, Rochester, Kent, ME2 4FA.

Salary & Benefits

- **Salary:** Competitive depending on experience.
- 37.5 hours per week (Minimum of 7.5 hours per day).
- 28 days annual leave (plus 8 Bank Holidays); increasing by 1 day after 5 years' service
- Flexible Working Hours.
- Option to Work Remotely for most of the time.
- Rochester Office if you prefer more regular office working.
- Paid Overtime and/or Flexible Friday (up to one day off per month for extra hours worked).
- Company Profit Share.
- 8% Workplace Pension Scheme (3% Employer, 5% Employee)
- Free Eye Tests.
- Childcare Voucher Scheme.
- Company Mobile Phone.
- Regular company challenges, including runs and variety competitions (usually with a pub dinner as a reward!).
- Social events and nights out across the year.
- Comfortable break-out area in the office with Darts Board.
- We're always keen to hear about things you might like to get involved in or other suggestions for out of hours team socials.



Responsibilities

- Researching, designing, and implementing new software.
- Writing, testing, and debugging code - refining as necessary.
- Expanding existing programs by analysing and implementing new features.
- Maintaining systems by tracking down and correcting software defects.
- Investigating and learning new technologies.
- Task estimation.
- Working in a team-oriented environment to accomplish business goals.
- Capturing requirements and creating technical specifications.
- Working closely with other staff, such as product owners, designers, and developers.
- Providing progress updates and following through on commitments to meet deadlines.
- To provide input into our development processes to enhance team and business performance.

Required Technical Experience

- Programming skills and experience in one of our preferred languages. (C#, Java, JavaScript, TypeScript)
- Some demonstrable design and implementation experience (such as final year project, software written outside university or during a gap year).

Advantageous

If you have any knowledge of the following skills, it would be a great advantage. The list will also give you an insight into the **skills you can learn** whilst employed with us:

- Programming Skills and Experience in more than one language. (e.g., C#, Java, JavaScript/TypeScript)
- C# using ASP.NET Core, Java using Spring Boot, TypeScript using Angular.
- Angular – Angular Material / Themes / Bootstrap experience.
- Knowledge of Web Technologies such as HTML, CSS, JavaScript, TypeScript.
- UI Design Skills and/or Knowledge of Knowledge of UI and UX Best Practices.
- Understanding of Responsive UI Design on Tablets or Mobile.
- Consuming REST APIs using JSON data in Single Page Applications.
- Web Services - RESTful API design and implementation.
- Knowledge of Micro-service Architecture and/or Micro-service Design.
- Interest in and knowledge of Object-Oriented software design and development.
- Use of Application Frameworks and Enterprise Design Patterns.
- Knowledge of Database Design and/or Query Access for SQL databases.
- Experience of Linux and Windows environments.
- Artistic/Creative eye for UI Design.
- Knowledge of or Experience using Agile Methodology.
- Excellent written and verbal skills.

About You

- Continuous learner with the ability to grasp new concepts.
- Aptitude and desire to learn new technologies.
- Hard worker that takes responsibility for your work.



- Ability to problem solve.
- Open minded when trying new ideas and development methodologies.
- Analytical/Investigative mind, with structured approach to tracking down problems.
- Understanding or willingness to learn; usability, performance, and best practice.
- Amiable, self-motivated, and goal oriented.
- Enjoys working in a team environment.
- Educated to degree level in Computer Science or related technical subject.

Application

Please email your CV and a short covering letter describing why you are suitable for this position to laura.goldsmith@nexusalpha.com

The selection & interview process

1. We will shortlist applicants and offer an initial telephone interview with our Recruitment & Resources Manager.
2. If successful, you will be offered a second interview (remote/office). This may include a technical test.
3. If successful, you may be asked to undertake a final interview.