

# Akshat Srivastava, Software Engineer

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## LINKS

[LinkedIn](#), [GitHub](#)

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## PROFILE

Passionate software developer adept in bringing forth expertise in declarative programming, installation, testing, and maintenance of software systems. A creative thinker, proficient in software development and working with various data structures. Skillful at working in a collaborative environment to develop front-end solutions following development life cycles and through high-quality design patterns.

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## RELEVANT EXPERIENCE

Sep 2022 — Present

### Junior Mobile Developer, Computershare

Edinburgh, United Kingdom

- As a front-end developer, I specialize in creating compelling features and user flows using Test Driven Development to ensure robust and high-quality outcomes.
- I actively engage in backend-related tasks, contributing to backend code design through data scripting using SQL and Java, and appreciate full stack processes.
- Building modular and reusable front-end components in Angular using the Ionic framework's hybrid development capabilities with a focus on content management.
- Created a reusable component library for the mobile application on top of the Ionic components, resulting in faster development time for new features.
- Working with Native Android and iOS code for native features, performance optimization, and bug fixes.
- Collaborated with clients to discern business needs, and determine the technical specifications for project implementation.
- Conducting rigorous unit testing through the utilization of Jest and Karma to uphold an exceptional standard of code coverage.
- Working on DevOps using Jenkins to maintain CI/CD pipelines and daily builds to Microsoft App Center.
- Collaborated with design leads, architects, product owners, and key stakeholders, working closely with the creative team to plan, build, and deploy various tax regulations-related flows across the application.
- Engaged in systematic code optimization through component refactoring, while introducing innovative ideas for enhancement.
- Consistently contributed to and improved an agile development environment.
- Developed and executed mobile application unit and end-to-end testing to ensure that the software runs flawlessly on different mobile platforms.
- Knowledge of Push Notifications using AWS services.

Aug 2021 — Nov 2021

### Web Development Intern, Tekenlight Solutions Pvt

Bangalore, India

- As a full-stack development intern, I integrated React JS, SQL, and RESTful APIs to craft dynamic web applications.
- Completed 25+ hours of training on React JS, Node JS, and Firebase
- Developed automated UI tests, gained proficiency in behavioral-driven development, and utilized Jira for effective bug tracking.
- Presented design proposals to the CEO and delivered comprehensive briefings to the team leader.

Jun 2021 — Aug 2021

### Trainee, National Informatics Centre

Lucknow, India

- Worked in the team responsible for delivering the Home Guards mobile app for government officials.
  - This encompassed involvement in the entire lifecycle, spanning concept development, design, testing, release, and ongoing support.
  - Execute a range of software testing procedures, which involve crafting both unit and UI tests, aimed at pinpointing malfunctions and identifying bugs for comprehensive quality assurance.
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## EDUCATION

Sep 2019 — Jul 2022

### BSc (H) Computer Science, Swansea University

Swansea, United Kingdom

Graduated with Upper Second Class (2:1)

Core course material includes Software Engineering, Discrete Mathematics, Algorithms, Video Games Programming, Artificial Intelligence, Cryptography & IT Security, Big Data and Machine Learning

Mar 2018 — Mar 2019

### A - Levels Equivalent (High School), Lucknow Public College

Lucknow, India

Computer Science - A\*, English - A, Physics - A

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SKILLS	Angular, React, Ionic, React Native, Next.js Kotlin, Swift, Android Studio, Xcode TypeScript, JavaScript, NPM, HTML, CSS, SCSS, Tailwind, ES5, Git	RxJS, Redux, NGXS state management, Dynamic Forms, Jest, Karma Java, JVM, SQL, Apache, JUnit, Mockito Agile, Jira, Confluence, Bitbucket, Subversion, Jenkins
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## ENGINEERING PROJECTS

Oct 2021 — May 2022	<b>PathMaker (Dissertation Project)</b> Conceptualized, researched, and engineered a hybrid app using React Native within the Agile Methodology framework. This encompassed the development of project estimations, meticulous project plans, and thorough risk assessments for each iteration, adhering to the SAFe framework. The app boasts a seamlessly crafted workflow, guiding users to discover intriguing historical sites nearby. It introduces a community-sourced element, enabling exploration of places not featured on Google Maps. Integration with Google Maps APIs ensures accurate navigation. User logins and cloud-based media uploads were expertly managed through Firebase and Firestore. The project received accolades with top-notch reviews, affirming its success. <a href="#">Video</a>
Feb 2022 — Jun 2022	<b>Earth Defenders Game</b> Developed game inspired from Space Invaders on Unity Engine which gives users special abilities to play with and incrementally challenging levels gained using AI based on state machine that changes through different behavioural patterns. Worked on the design and character specification process. Identified and analysed faults in the application, troubleshooting each bug through to resolution. Accurately documented each step of the design process. <a href="#">Download</a>
Sep 2020 — Dec 2020	<b>Labyrinth</b> Contributed to a cohesive seven-member team to develop a 2D board game reminiscent of the classic Labyrinth, employing Java and JavaFX. The project's foundation involved meticulous preparation, including the creation of CRC cards and entity relationship diagrams, with Git serving as a collaborative platform. Proactively participated in researching, recommending, and implementing new technologies to enhance overall app development productivity. Regularly generated comprehensive application progress reports, engaging in pair programming during weekly review meetings to foster collaborative learning and code optimization within the team. <a href="#">Source Code</a>

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## NON-TECHNICAL EXPERIENCES

Feb 2022 — Sep 2022	<b>Part-Time Claims Handler, Admiral</b> Swansea, United Kingdom Operating within the dynamic landscape of advanced insurance software and Microsoft Office tools, proficiency in customer relations was developed through customer-facing roles and telephone interactions. Daily interactions involved addressing customer concerns with calmness and empathy, consistently earning positive feedback from management for effective customer handling. As part of a collaborative team, efforts were directed toward maintaining a positive work environment and providing support to colleagues as needed, fostering a culture of cooperation.
Nov 2021 — Feb 2022	<b>Part-Time Instore Team Member, Dominos</b> Swansea, United Kingdom Responsibilities included taking orders, dealing with customer issues, and ensuring high level of cleanliness and presentation. Serving customers and making personal buying recommendations. Given chief responsibility for cashing up at the end of shifts. Also commended by my manager for my friendly approach to customer service.

HOBBIES	Football - played at London and Southern Zone Sports and District Level in India Enjoy watching fast-paced competitive sports such as Volleyball, Tennis, etc.
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LANGUAGES	English	Highly proficient	Hindi	Native speaker
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REFERENCES	<b>Dr Neal Harman (Associate Professor, Computer Science) from Swansea University</b> n.a.harman@swansea.ac.uk  <b>Mr Amit Singh (Senior Software Engineer) from-Tekenlight Solutions</b> amit@tekenlight.com
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