

# SHUBHAM AGRAWAL

Results-driven Software Engineer, targeting roles in **Front-end Development and Full Stack Development** to utilize expertise in **React.js, AWS services, and API development** to contribute to innovative projects, deliver scalable solutions, and drive business growth in a dynamic software development environment.



## PROFILE SUMMARY

- Highly competent **Software Development Engineer** with **over 4 years** of expertise in developing scalable, high-performance web applications and front-end systems.
- Proficient in **Full Stack Development**, leveraging technologies such as **Typescript, OLAP, Kafka, React.js, Flask, Node.js, and Express.js** to deliver robust and user-friendly solutions; capability to design **dynamic data visualization solutions**.
- Skilled in **Cloud Computing**, utilizing **AWS services like AWS Lambda, AWS Glue, AWS Batch, and Athena** to build serverless architectures and integrate data pipelines.
- Extensive experience in **API development**, implementing **GraphQL and RESTful APIs**, including **OAuth authentication** and data integration using **MongoDB**.
- Strong understanding of **Agile methodologies**, contributing to timely project delivery and consistent communication with stakeholders.
- Hands-on experience with headless **CMS such as Strapi** to build content-driven websites, ensuring easy content management and seamless user experience.
- Strong **problem-solving and optimization skills**, with a proven track record of improving system performance and data management efficiency.



## WORK EXPERIENCE

**Feb'22 – Present: Senior Software Engineer | Zenarate India Pvt. Ltd., Gurgaon**

### Key Result Areas:

- Leading the design and development of an advanced reporting module using React.js with Typescript, delivering robust, dynamic, and interactive user interfaces that enhance data visualization and reporting capabilities.
- Displayed technical expertise by effectively utilizing Flask, AWS Glue, AWS Lambda, and AWS Batch, contributing to the creation of an integrated and scalable reporting ecosystem.
- Collaborating across teams, playing a pivotal role in enhancing key components such as screen simulation and call analyzer, thus broadening the understanding of core systems and enhancing overall functionality.
- Developing and optimizing front-end and back-end solutions that ensured seamless performance, scalability, and security in managing large datasets and complex business logic.

### Highlight:

- Successfully led the development of a reporting module that improved data accessibility for over 250 global clients that resulted in enhanced user satisfaction and engagement.

**Jan'21 – Feb'22: Software Engineer | Appwrk IT Solutions, Mohali**

### Key Result Areas:

- Contributed to web development projects by utilizing technologies such as Tailwind CSS, styled-components, GraphQL, and JavaScript and ensured seamless user interfaces and smooth functionality.
- Developed responsive web applications using React.js and GatsbyJS, thus enabling high-performance, optimized user experiences.
- Received accolades for consistently delivering projects on time while maintaining high-quality standards, thereby displaying strong commitment and a focus on results.



## PROJECTS

**Zenarate Insights | React.js, Typescript, Flask, AWS Lambda, AWS Batch, MySQL, Kafka**

- Developed a dynamic data visualization platform leveraging React.js for real-time graphical representations of business KPIs and metrics, thus improving decision-making processes.
- Integrated back-end services using Flask to manage API interactions and server-side logic, while ensuring smooth communication between front-end and back-end components.
- Optimized the platform's performance to handle large-scale datasets, thereby ensuring it met the growing needs of the business.

**API Layer | Express.js, Node.js, MongoDB, OAuth, Swagger/OpenAPI**

- Developed APIs for web scraping and financial data integration, utilizing Node.js, Cheerio, and Puppeteer to extract and present real-time tax data from various sources.
- Implemented OAuth to ensure secure authentication and user authorization for accessing sensitive data.
- Contributed to API documentation using Swagger/Open API and streamlined communication between Development Teams and Stakeholders.

**OPSIO | Gatsby.js, Strapi Headless CMS, AWS S3, Bootstrap**

- Led the development of OPSIO's business website for a CloudOps and DevOps service provider, using Gatsby.js to create a performant, SEO-optimized, and visually engaging platform.
- Integrated Strapi as a Headless CMS, enabled easy content creation and management with a user-friendly admin interface, empowering non-technical users to manage website content.
- Leveraged AWS S3 for content hosting and ensured fast and scalable performance for static resources.



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## CORE COMPETENCIES

Application Performance Optimization

Web Development

System Security & Data Privacy

Data Management & Visualization

Database Management

Software Development & Optimization

Scalable Software Architecture

User Experience (UX) & Interface Design

Cloud Computing & Serverless

Workflow Automation



## TECHNICAL SKILLS

- Languages:** Typescript, JavaScript, Python
- Libraries/Frameworks:** React.js, Redux, Gatsby.js, Flask, Express.js, jQuery, MUI, Bootstrap, Node.js
- Tools/Platforms:** Git, AWS Lambda, AWS Batch, AWS Glue, OLAP, Kafka
- Concepts:** JWT, Operating System, RBAC, ABAC, Encryption, Decryption, Agile Methodology, Batching, CI/CD



## EDUCATION

**2021: Bachelor of Technology in Computer Science** from Lovely Professional University, Jalandhar, Punjab, GPA: 7.11 / 10.00  
(**Relevant Coursework:** Data Structures and Algorithms (C++), Probability & Statistics in Computer Science (Python), Introduction to Computer Science II (C++), Linear Algebra with Computational Applications (Python))



## SOFT SKILLS

- Effective Communication
- Analytical Thinking
- Quick Learner
- Problem Solving
- Time Management



## PERSONAL DETAILS

- Date of Birth:** 3<sup>rd</sup> September 1998
- Languages Known:** English, Hindi
- Address:** Prayagraj, Uttar Pradesh