

Akshit Singh

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PROFESSIONAL PROFILE

Graduate Software Engineer who turns complex ideas into clean, practical software. Certified on HackerRank, ranked on Kaggle, and tested through open-source contributions and global hackathons—I bring initiative, collaboration, and a record of applying technology to deliver visible results.

TECHNICAL SKILLS

Programming Languages

Java, Python, JavaScript, TypeScript, C++, SQL, HTML/CSS

Frameworks & Libraries

Spring Boot, React.js, Node.js, Django, Next.js, Express.js, Three.js, Framer Motion

Databases

PostgreSQL, MongoDB, MySQL, Redis

DevOps & Tools

Docker, Kubernetes, Git, GitHub Actions, AWS, Vercel, CI/CD

Testing

JUnit, Mockito, Jest, Cypress, Testcontainers

Other Technologies

Apache Kafka, REST APIs, GraphQL, Microservices, OAuth, JWT

WORK EXPERIENCE

JP Morgan Chase & Co - Virtual Internship - Software Engineer - Sept 2025

- Engineered Midas Core environment with Spring Boot, Kafka, SQL, and REST APIs, establishing a robust scaffold for transaction processing.
- Streamlined dependency management and automated testing, ensuring accurate outputs and maintainable, high-stakes codebase.

Hewlett Packard Enterprise - Virtual Internship - Software Engineer - Aug 2025

- Designed RESTful employee management service on GreenLake Cloud using Spring Boot, delivering scalable CRUD operations.
- Strengthened reliability and quality assurance by implementing HTTP POST support and unit tests with Mockito/JUnit, reducing runtime errors.

Electronic Arts - Virtual Internship - Software Engineer - Jul 2025

- Spearheaded gameplay feature proposals and class diagram design, aligning new mechanics with existing systems for seamless integration.
- Optimized C++ data structures and implemented inventory patches, enhancing system reliability and improving player experience.

Citi Bank - Virtual Internship - Software Engineer - June 2025

- Visualized loan workflows with UML state diagrams and proposed ML-driven credit risk models, driving efficiency in loan approval processes.
- Developed real-time stock monitoring app in Java with Yahoo Finance API and JavaFX, providing actionable insights for internal teams.

Telstra - Virtual Internship - Software Engineer - Apr 2025

- Orchestrated SIM activation REST controller in Spring Boot, integrating actuator services for precise success/failure handling.
- Enhanced backend traceability by logging transactions and configuring Java 11 microservices, improving system reliability and audit readiness.

Commonwealth Bank - Virtual Internship - Software Engineer - Oct 2024

- Accomplished intuitive iOS home-screen widgets by creating 3 scalable layouts, enabling clear display of balances and recent transactions.
- Elevated feature planning and governance by gathering stakeholder requirements and defining BDD criteria, improving security and marketing insights.

Full Stack Developer (Internship) — Bugbox, Melbourne, VIC — Apr 24 - June 24

- Built web interface using React, Node.js, and MongoDB for 500+ users.
- Integrated Blockly and scripts to enable dual-mode interactive coding experience.
- Accelerated app load time by 60% through API and UI optimization.

PROJECTS

Midas Core - Financial Transaction Processing System - July 2025 - Sep 2025

- Accomplished enterprise-grade financial transaction processing system by architecting microservices with Spring Boot, Kafka, PostgreSQL, and 25+ REST APIs, resulting in 10,000+ TPS with 99.9% uptime and PCI DSS compliance.
- Enhanced system reliability and performance by implementing 95% test coverage, Docker/Kubernetes CI/CD pipeline, and Prometheus monitoring, resulting in 99.8% bug-free deployments with 90% faster releases.
- Strengthened data integrity and security by designing normalized database schema, event-driven Kafka architecture, and automated fraud detection, resulting in zero data loss with complete regulatory compliance.
- Optimized application scalability and user experience by developing concurrent transaction processing, API rate limiting, and error handling mechanisms, resulting in 15,000+ concurrent users with sub-200ms response times.
- **GitHub:** <https://github.com/Akshit358/Midas-Core—Financial-Transaction-Processing-System>

Professional Portfolio Website - Aug 2025 - Sep 2025

- Designed and developed a modern, responsive portfolio using Next.js 15, React 19, TypeScript, and Tailwind CSS, showcasing technical skills, projects, and professional achievements for potential employers.
- Implemented interactive 3D animations, particle effects, and smooth transitions with Three.js and Framer Motion, improving user engagement and visual appeal.
- Optimized performance and SEO with code splitting, lazy loading, and meta tags, achieving 95+ Lighthouse scores and sub-2 second load times.

- Deployed to Vercel with CI/CD, ensuring seamless updates, high availability, and cross-device responsiveness across desktop and mobile platforms.
- **GitHub:** <https://github.com/Akshit358/Professional-Portfolio-website>

Job Tracker CRM (Full-Stack Web Application) - Aug 2025

- Developed a full-stack job application tracker with React.js frontend and Django REST backend, supporting 3+ user roles and 15+ sample applications for efficient workflow management.
- Implemented JWT-based authentication, email verification, and role-based access control, enhancing system security and ensuring protected routes for multiple user types.
- Engineered dynamic dashboards with Recharts for interactive analytics on application trends, status distribution, and activity timelines, improving decision-making for users and admins.
- Integrated automated email notifications for signup verification, password resets, and interview reminders, increasing user engagement and reducing missed deadlines.
- **GitHub:** <https://github.com/Akshit358/Job-Tracker-CRM>

EDUCATION

Deakin University, Melbourne, VIC — Oct 20 – Jun 24

Bachelor of Software Engineering (Honours)

- **Team Leader — SIT378: Team Project (B) — Chatbot for EV Charging Stations:**
 - Led a team of 11 to design and develop a website for an EV charging station company.
 - **GitHub:** <https://github.com/Akshit358/EVCFLO>
 - **YouTube:** <https://youtu.be/NrVbrMy55E0?si=fBCsL-N5fUtxXc7E>

CERTIFICATIONS

Google Technical Support Fundamentals

Certificate Link: <https://drive.google.com/file/d/16q7fbR5OpeVl6Cc8t8iQoFZVZZUZUbj/view?usp=driveink>