

Ahmad Chand

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Skills

- **Frontend:** JavaScript | TypeScript | React.js | Redux | Next.js | React Query | jQuery | MapLibre GL | Webpack | Git | Jest | Cypress
- **Backend:** Node.js | Express.js | MongoDB | SQL | No SQL | Redis | Postgres | Microservices | Azure | AWS
- **Others:** Agile/Scrum Methodologies | English, Urdu – *All professional proficiency or above*

Experience

Senior Software Engineer

ILI Digital

01/2023 - Present

- Designed and developed groundbreaking flight planning systems for Volocopter using **React, Typescript, React Query**, and **Webpack**.
- Implemented advanced systems to guarantee the safety and seamless execution of flight operations, incorporating essential features to alert pilots regarding battery capacity, propose alternative routes, and provide real-time updates on prevailing weather conditions.
- Led the development of several products E2E, from identifying system requirements and partner dependencies to workload balancing, software implementation, engineering, testing, and configuring metrics, alarms, monitors, and dashboards.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing.

Software Engineer

ILI Digital

04/2022 - 12/2022

- Spearheaded the development of digital solutions for Volksbank Digital Solutions GmbH, a subsidiary of the Volksbanken Raiffeisenbanken Cooperative Banking Group specializes in **online banking platforms, payment systems**, and mobile banking apps.
- Executed end-to-end delivery process optimization for BASF Battery Recycling, ensuring real-time status updates for consumers on battery recycling and delivery, all achieved through successfully implementing highly efficient and streamlined tools and interfaces.
- Led the development of scalable APIs and background workers in **.NET Core** and **API Gateway**, ensuring heightened security measures through **AWS Secret Manager** and **Parameter Store**. Integrated robust **unit and integration testing**, expertly implemented dynamic dashboards, seamlessly integrated diverse **payment gateways**, and adeptly employed a sophisticated **microservices architecture**.

Associate Software Engineer

Crunch Craft

09/2020 - 04/2022

- Designed and implemented enterprise eCommerce and Learning Management System applications of Pakistan's largest educational 'Institute (KIPS LMS, KIPS Publications, KIPS Virtual), using **C# .NET, MVC, MSSQL, React, Redux**, and **jQuery**.
- **Reported directly to the Engineering lead** for designing and developing the analytics dashboard that provides a rich visual summary of daily user purchase patterns powered by **Chart.js**. Used by the board of directors in the decision-making process.
- Engineering owner of the E2E experience of the commerce platform's cancel, return, and exchange systems.
- Implemented robust security measures, including advanced encryption protocols and multifactor authentication processes, to safeguard sensitive user data, personal information, and financial transactions within the eCommerce platform.
- Played a key role in optimizing application performance, reducing page load times, and enhancing overall system responsiveness, contributing to a significant improvement in user satisfaction.

Education

Bachelor of Science

COMSATS University

08/2016 - 08/2020

- Major in Web development and Artificial intelligence

Projects

- **Volocopter:** Voloiq, by Volocopter GmbH, presents sustainable urban air mobility solutions, including electric vertical takeoff and landing (eVTOL) air taxis for safe and efficient urban transportation.
- **Volksbank Digital Solution:** Volksbank Digital Solutions, a subsidiary of Volksbanken Raiffeisenbanken, offers digital banking solutions including online platforms, payments, mobile apps, and financial tools.

Mentorship

- Proactively contribute to the growth of junior developers by actively mentoring, offering guidance, and fostering a collaborative learning environment, ensuring the team's continuous professional development.

Certifications

- Problem Solving - *HackerRank* [\(View Certificate\)](#)
- React - *HackerRank* [\(View Certificate\)](#)
- JavaScript Algorithms and Data Structures - *freeCodeCamp* [\(View Certificate\)](#)
- Front End Development Libraries - *freeCodeCamp* [\(View Certificate\)](#)
- Introduction to Blockchain Technologies - *Coursera* [\(View Certificate\)](#)