Name	Khabebulloev Abubakr
Role	Full-Stack Web Developer
Birthday	1997-12-14
Email	akrv7591@gmail.com
Mobile	010-5886-9717
Address	부산 수영구 광안동
Portfolio	https://akrv.dev
Github	https://github.com/akrv7591 (Since all of the projects of current company is in bitbucket contributions in Github is not accurate)

소개 / About Me

- 👋 Hey there! I'm Abubakr, and I love making computer stuff work better. I enjoy solving problems and working with others. With a solid foundation in computer science and almost 4 years of dedicated experience.

- 🧠 I'm passionate about problem-solving and algorithms. Turning complex puzzles into elegant solutions is what excites me the most. It's not just about making things work, it's about finding the smartest way to do it. I love the challenge of creating logical paths that transform problems into successes. 🚀✨

- 💥 Outside of work, I like trying new recipes, exploring outdoors, and experiencing different things. I believe in having a good balance in life, and that's what I bring to my work and everything else.

- 🌍 Adapting to new cultures comes naturally to me. I'm easygoing and thrive in diverse environments. Whether it's embracing new traditions or connecting with people from different backgrounds, I believe in creating a positive and inclusive atmosphere. Let's navigate this journey together with openness and a smile! 😊✨

기술스택 / Skill Set

구분	Skill
Programing Languages	JavaScript, TypeScript, Pyhton3
Framework / Library	**NodeJS**, **ExpressJS**, **React**, **Vite**, Django, Django-rest-framework, **Websockets, Redis**
Server	Nginx, Apache2
Tooling / DevOps	Jenkins
Environment	**Ubuntu-server**, AWS Cloud services(EC2, RDMS, S3, Amplify, Route53)
DB	**MySQL**, **MariaDB**, Redis(Memory Db)
Language Proficiency	**English**(Professional), **Korean**(Intermediate), Uzbek(Native), Russian(Intermediate), Tadzhik(Native)
Etc.	Git, Bitbucket, Jira Software,

경력 사항 / Work Experience 총 3년 6개월

재직 기간	회사명	부서 및 R&R	비고
2022-01-Present	(주)제로웹	Development team	
2020-08-2021-12	(주)제로웹	Research & Development team	

주요 프로젝트 / Projects ** 프로젝트 경험을 최신순으로 작성하였습니다*

1. **2022.01 ~ Present (주)제로웹 / 개발팀(Development team)**

   A. 2023.01 ~ Present / (벨(Bell))

사용언어 및 개발환경	**TypeScript**, **NodeJS**, **MariaDB**, Ubuntu, **Socket.IO**, Bitbucket, Git, Sequelize, **Redis**, Postman
인력구성 및 기여도	**2 BE** developers **(**3 FE developers, 2 Designers, 5 Planners) Contribution: **50%**
주요업무 및 상세역할	• Designing and development of **Database.** • Design and development of **APIs.** • Development of **Algorithms.**
성과/결과	• Designed and developed **72** relational database tables on MariaDB. • Designed and developed **178** endpoints for admin, mobile and sensor data endpoints. • Developed various user/sensor data **generator tools** with **custom algorithms** for big data team > .xlsx.
참고자료	• Homepage: bell-meta.com. • Google play: BELL on Google Play. • Screenshots: Portfolio.

   B. 2023.06 ~ 2023.10 / (GS 은증 1등급 (소프트웨어품질인증의 최고등급))

사용언어 및 개발환경	**TypeScript**, **NodeJS**, **MariaDB**, **RTSP**, **Onvif**, Ubuntu, Bitbucket, Sequelize-typescript, Postman.
인력구성 및 기여도	**2 BE** developers **(**3 FE developers, 2 Designers, 5 Planners) Contribution: **50%**
주요업무 및 상세역할	• Designing and development of **Database.** • Design and development of **APIs.** • Development of Core package. • Developing **CCTV streaming**. • Developing **CCTV control**

성과/결과	• Designed and developed **42** relational database tables on MariaDB. • Designed and developed **71** endpoints for admin dashboard. • Developed and maintained project-core package which includes shared utility classes, interfaces, constants and etc. • Developed secure, low latency **CCTV streaming** service using **RTSP** Protocol. • Developed **CCTV control** function with **ONVIF** protocol which includes Zoom, Pan, Screenshots
참고자료	• Screenshots: Portfolio. • Certificate: 소프트웨어 품질인증서

C. 2022.02 ~ 2023.05 / (지하철 내비게이션(Subway-Navigation))

사용언어 및 개발환경	**TypeScript**, **NodeJS**, **MariaDB**, **React**, **ReactNative**, Ubuntu, Bitbucket, Git, Sequelize, Postman, ThreeJS.
인력구성 및 기여도	**2 BE** developers (**2** FE developers, 2 Designers, 5 Planners) Contribution: **50%**
주요업무 및 상세역할	• Designing and development of **Database.** • Design and development of **APIs.** • Development of Core package. • Development of **3D Pathfinding** for A -> B location. • Development of **shortest pathfinding** between two stations. • Development of **admin dashboard.** • **Multilanguage** support for mobile app.
성과/결과	• Designed and developed **44** relational database tables on MariaDB. • Designed and developed **173** endpoints for admin and mobile apps endpoints. • Developed and maintained project-core package which includes shared utility classes, interfaces, constants and etc. • Developed pathfinding algorithms using the **A* (A star algorithm**) for subway indoor navigation. The algorithm caters to different user types (Normal, Elderly, Disabled, Blind), providing the shortest path for normal users and specialized paths for elderly and disabled users utilizing elevators. • Developed cheap shortest **pathfinding algorithm** between subway stations, enhancing overall navigation efficiency. • Developed Complex administrator **dashboard**, facilitating data management and offering 3D pathfinding visualizations for every station using React and ThreeJs. • Integrated a **multi-language** support function using **i18** package, ensuring accessibility and usability for diverse userbase.
참고자료	• Google play: 지하철 내비게이션 - App • Screenshots: Portfolio.

D. 2022.06 ~ 2023.02 / (스마트시티 통합플랫폼, TTA Certified (Metasafe Smartcity platform))

사용언어 및 개발환경	**TypeScript**, **NodeJS**, **MariaDB**, **RTSP**, **Onvif**, Ubuntu, Bitbucket, Sequelize-typescript, Postman.
인력구성 및 기여도	**2 BE** developers **(**3 FE developers, 2 Designers, 5 Planners) Contribution: **50%**
주요업무 및 상세역할	• Designing and development of **Database.** • Design and development of **APIs.** • Development of Core package. • Developing **CCTV streaming**. • Developing **CCTV control**
성과/결과	• Designed and developed **42** relational database tables on MariaDB. • Designed and developed **71** endpoints for admin dashboard. • Developed and maintained project-core package which includes shared utility classes, interfaces, constants and etc. • Developed secure, low latency **CCTV streaming** service using **RTSP** Protocol. • Developed **CCTV control** function with **ONVIF** protocol which includes Zoom, Pan, Screenshots
참고자료	• Screenshots: Portfolio. • Certificate: TTA 스마트시티 통합플랫폼 인증서

E. 2022.05 ~ 2022.12 / HelperIt(심부름이 필요할때, 헬퍼잇)

사용언어 및 개발환경	**JavaScript**, **NodeJS**, **MariaDB**, Ubuntu, AWS EC2, Bitbucket, Sequelize.
인력구성 및 기여도	**1 BE** developers **(1** FE developers, 1 Designers, 2 Planners) Contribution: **100%**
주요업무 및 상세역할	• Designing and development of **Database.** • Design and development of **APIs.** • Deployment • SNS integration
성과/결과	• Designed and developed **25** relational database tables on MariaDB. • Designed and developed **40** endpoints for admin dashboard. • Deployed API server on **AWS EC2** with Apache2 server
참고자료	• Screenshots: Portfolio. • Homepage: Helperit

F. 2022.01 ~ 2022.08 / MSS Platform

사용언어 및 개발환경	React, TypeScript, Mui, AWS Amplify, ApexCharts, NodeJs, JavaScript, AWS EC2, RDBS, AWS, S3
인력구성 및 기여도	**1 FE** developers **(2** BE developers, 2 Designers, 2 Planners) Contribution (FE): **100%**
주요업무 및 상세역할	• Developing Secure authentication • Developing Sensor registration • Developing Sensor data charts • Developing Sensor data export
성과/결과	• Developed secure token-based authentication to login to Dashboard • Developed Sensor registration steps for each unique Sensor • Developed polished sensor data charts with custom date range selectors • Developed Pdf export function for data display section which can export scrollable area
참고자료	• Screenshots: Portfolio.

2. **2020.07 ~ 2021.07**   **(주)제로웹 / 연구소(Research & Development team)**

*회사 소개 : Developing IoT sensors such as Realstep, IR gate and 3d Camera for People counting

A. 2020.07 ~ 2021.12 / (Internal Dashboards for Research and Development Team)

사용언어 및 개발환경	Django, Python, HTML5, CSS3, Bootstap5, **React**, JavaScript, AWS EC2, AWS RDMS, Apache2, ChartJS, Ubuntu
인력구성 및 기여도	**1 Full-Stack** developer **(**1 Embedded Developer, 1 Mobile Developer, 1 Researcher, 2 Planners) Contribution (Full Stack): **70%**
주요업무 및 상세역할	• Developing Dashboards • Developing Algorithms • Developing APIS • Research
성과/결과	• Developed dashboard for testing various sensors like Realstep AP, IR door sensor, 3D camera people counting sensor and etc. • Developed Algorithm to clean up raw data from sensors like Random mac filtering, Distributing People counting for each floor and etc. • Developed APIs to feed sensor dashboards • Developed Patent LORa population measurement wireless device (LORa communication-based floating population measurement wireless device)

3. Present   Personal project

    A.   2023.10 ~ Present / (Erdiagramly (Multiplayer Entity Relational Diagram))

사용언어 및 개발환경	TypeScript, React, NodeJS, ExpressJS, Sequelize, Sequelize-Typescript Socket.IO, Redis, Jenkins, Vercel, Nginx, Pm2, MySQL, Mantine, Reactflow(XYFlow), NameCheap
인력구성 및 기여도	**1 Full-Stack** developer, Designer, **DevOps** engineer Contribution: **100%**
주요업무 및 상세역할	• Designing and Developing Database • Designing and Developing API server • Designing multiplayer logic • Setting up backend server • Setting up CI/DI • Domain Management • Setting up frontend server
성과/결과	• Designed and developed **MySQL** server at my personal home server • Designed and Developed Secure Api server with **NodeJS** and **ExpressJS** and connected it to DB with **Sequelize ORM** • Designed multiplayer logic from scratch with fast and reliable tools such as **Socket.IO** and **Redis** (In memory database for fast data access) • Hosted backend server with **Nginx** web server and **PM2** (Since NodeJS is single threaded it can help to deploy multi-threaded NodeJS instances) • Automated building and deployment of backend server with **Jenkins** • Assigned domain for my project on Namecheap • Deployed frontend in **Vercel** since it handles all CI/DI for front end project
참고자료	• Homepage: https://erdiagramly.akrv.dev • Github : https://github.com/akrv7591/erd

기타 사항

학력

- 2016.09 ~ 2020.08   동서대학교 컴퓨터학과 졸업

자격증

- IELTS 5.5 (2016)

- Testival (In Depth) Data structeres and Algorithms (2018)

- Topik 2 (2023. 10 취득)