HOON KIM

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[github.com/hoonio](https://github.com/hoonio)

Full Stack Developer experienced in agile/scrum & greenfield projects

Tech stacks: React/Next.js, Node.js/Express, D3, Flask, Django, Pandas, GraphQL/RestAPI

DevOps work on CI/CD, Docker, Kubernetes, Serverless deployment on AWS/Azure/GCP/DO

# Experience

## Full Stack Developer [Crosure Ltd](https://crosure.com/) *Remote|Cambridge, UK* May '23 - Present

White label digital insurance platform - customer onboarding & claims

▪ Infrastructure setup (Terraform, GitLab CI/CD, Vercel, MongoDB, DigitalOcean Python FaaS)

▪ Multi-stage form render with localization (Next.js|React, RJSF, ChakraUI, Sanity, Django)

▪ 3rd party services integration (Twilio, Sendgrid, Stripe Subscriptions, Auth0, Ordnance Survey)

▪ Tests, monitoring & logging (Jest, Cypress, Storybook, Codecov, Sentry, Datadog, Crowdin)

## Full Stack Developer Nakhon Line *Remote* Jun '22 - Dec '22

Multilingual Peer-to-Peer marketplace for local services with social network

▪ Transactional UI features (Next.js|React|Typescript, Next-auth, Next-intl, GraphQL, MongoDB)

▪ Event-driven process automation (Apache Kafka, AWS Lambda|S3, Redis, Neo4j, CircleCI)

## Full Stack Developer [Coats Group plc](https://www.coats.com) *Remote|London, UK* Mar '21 - Mar '22

eCommerce platform for threads order processing & administration for international market

▪ UI design, form-based order & xls file upload processing (Next.js|React|Typescript, GCS)

▪ Client-server connectivity, unit|integration tests (GraphQL|gRPC, Node.js, Jest|Cypress)

▪ Localization files & user metadata sync (Python|Pandas, Flask, i18next, Auth0, Sharepoint)

Oplo Car financing broker gateway microservices (NestJS, Apache Kafka) Jan '21 - Feb '21

## Python Developer [HelpAge International](http://www.helpage.org) *Remote|London, UK* Apr '20 - Dec '20

Big data transformation of surveyed information & visualization

▪ Spreadsheet data ETL via SharePoint API (Pandas, NumPy, Microsoft Graph/Azure AD)

▪ Architect solution of web services & performance tuning (Vue.js, Django, PostgreSQL, S3)

▪ Deployment to serverless, CI/CD & testing (AWS Lambda, GitHub actions, CircleCI, Unittest)

## Full Stack Developer [Coats Group plc](https://www.coats.com) *Remote|London, UK* Sep '19 - Mar '20

▪ Query & order/invoice data transformation (React, Node.js, GraphQL)

▪ Server-side OAuth2 flow|Auth0 permissions control (Kubernetes GKE, KongOIDC, Redis, JWT)

▪ DevOps from the ground up (GCP, Concourse, Docker, Terraform, Cockroach, Sonarqube)

[Falmouth Launchpad](https://falmouthlaunchpad.co.uk/explore-launchpad/launchpad-companies/) Podcast streaming (WebRTC, ffmpeg, Nginx, DynamoDB) May '19 - Jul '19

[Ranger Services](https://groupnexus.co.uk/ranger-landing) License plate image query (Boto3, Lambda, Athena, Cognito) Mar '19 - Apr '19

## Full Stack Developer [Klarna Bank AB](https://www.klarna.com/de) *Berlin, Germany* Mar '18 - Nov '18

Microservices for [customer authentication/KYC](https://www.klarna.com/international/press/klarna-launches-global-customer-authentication-platform) process (React|Redux, Node.js, Flask|Python)

▪ API integration: Swisscom, Schufa, Sofort, ThreatMetrix (PostgreSQL, ElastiCache, SOAP)

▪ Infrastructure migration (Terraform, AWS CloudFormation/S3, Docker, Jenkins, Jest|PyTest)

## Full Stack Developer [Vodafone Group plc](https://www.vodafone.com/business/home) *Remote|London, UK* Jul '16 - Mar '17

ITSM integrated enterprise cloud provisioning service (React|Redux, Angular, Node.js)

▪ eCommerce UI, server-side scripting (ServiceNow workflows, Glide API, jelly scripts)

▪ OAuth implementation, CI/CD (AD SSO, Docker, Rancher, Concourse, AWS/OpenStack)

Digital Annexe Automotive brand site & kiosk visualizer (VanillaJS, jQuery) Apr '16 - May '16

Feria de Junio SoundCloud streaming mobile app for Android (Ionic, Jasmine) Jan '16 - Mar '16

Macat Online learning platform (AngularJS, .Net|C#, ElasticSearch, Azure) Aug '15 - Dec '15

[Telrock](https://www.telrock.com/) Retail loan service portal (AngularJS, Spring Boot|Java, socket.io) Dec '14 - Jul '15

## [Autharium](http://indie.ws) Interactive ebook self-publishing (.net MVC4|C#, ImageMagick) Jan '14 - Nov '14

## [HelpAge](http://www.helpage.org) [Interactive maps](https://www.theguardian.com/news/datablog/interactive/2013/oct/01/best-and-worst-places-to-be-old-interactive-map) & graph presentation (React, D3, Google maps) Aug '13 - Dec '13

[Coca Cola](https://www.coca-cola.com/) Facebook app integration for beverage brands marketing Mar '13 - May '13

Mobadile AdWords campaign automation with Google Apps Script Oct '12 - Feb '13

## Mobile Apps Development Manager [LOCOG](http://www.london2012.com) | [Samsung](http://www.samsung.com/uk/london2012) *London, UK* Jan '11 - Sep '12

Supervision of mobile apps development & branded handsets delivery for London2012 Olympics

Schneider Trading Associates Brent Crude futures trader Sep '10 - Dec '10

Densha de Tokyo iOS native transit info mobile app (Objective-C) Apr '10 - Aug '10

## Mobile Software Research Engineer [LG Electronics Inc](http://www.lg.com/mobile) *Seoul, South Korea* Aug '06 - Feb '10

▪ Device drivers & I2C protocol implementation for [phone prototypes](http://www.lg.com/jp/mobile-phone/lg-L-03C) (C, Assembly, VHDL)

▪ [Device config/QA tool](https://forum.xda-developers.com/showthread.php?t=2668412) feature upgrades, msi packaging, documentation (C++, MFC, LaTex, svn)

# Education

[Northwestern University](http://www.northwestern.edu) *Evanston, IL, USA* — Master of Science in Computer Engineering, 2006

[University of Illinois](http://engineering.illinois.edu) *Champaign, IL, USA* — Bachelor of Science in Computer Engineering, 2005

# Skills

Publications: [Power Deregulation: Eliminating off-chip voltage regulation](http://hoon.io/powerderegieee), [Home Gateway](http://hoon.io/homegatewaygsrc)

Certificates: [Chartered Financial Analyst](https://www.cfainstitute.org/en/programs/cfa), [Prince2](https://www.prince2.com/what-is-prince2), [Six Sigma green belt](https://en.wikipedia.org/wiki/Six_Sigma#Certification)

Languages: fluent in English, Korean, Japanese(N4), German(B1), Spanish(A2)