```
                    ┌─────────────────────────────┐
                    │ Employee                    │
                    │ 32 bytes                    │
                    │    8  object header         │
                    │   11  data                  │
                    │   12  pointer               │
                    │    1  fill                  │
                    └─────────────────────────────┘
```

```
┌──────────────────────┐   ┌──────────────────────┐   ┌──────────────────────┐
│ String               │   │ BigDecimal           │   │ Date                 │
│ 24 bytes             │   │ 32 bytes             │   │ 24 bytes             │
│   8 object header    │   │    8 object header   │   │    8 object header   │
│   0 data             │   │   16 data            │   │    8 data            │
│  12 bookkeeping      │   │    8 pointer         │   │    4 pointer         │
│   4 pointer          │   │                      │   │    4 fill            │
└──────────────────────┘   └──────────────────────┘   └──────────────────────┘
```

```
┌──────────────────────┐
│   char[]             │
│ 32 bytes             │
│  12 object header    │
│  16 data "John Doe"  │
│   4 fill             │
└──────────────────────┘
```
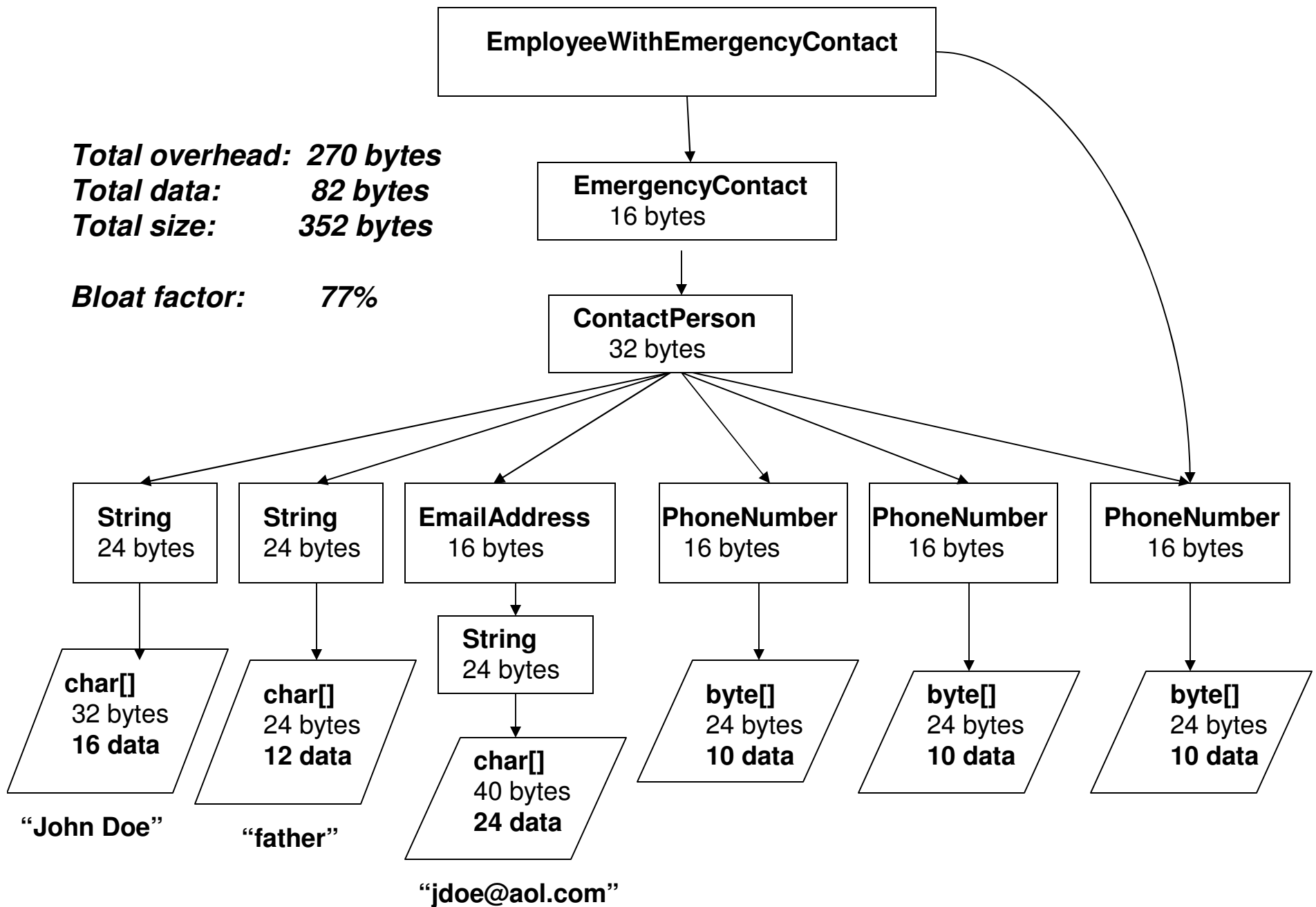
Total overhead: *93 bytes*
   from delegation: *60 bytes*
   other: *33 bytes*
Total data: *51 bytes*
Total size: *144 bytes*

Bloat factor: *93/144 = 65%*
   from delegation: *60/144 = 42%*

EmployeeWithEmergencyContact

Total overhead: 270 bytes
Total data: 82 bytes
Total size: 352 bytes

Bloat factor: 77%

EmergencyContact
16 bytes

ContactPerson
32 bytes

String
24 bytes

String
24 bytes

EmailAddress
16 bytes

PhoneNumber
16 bytes

PhoneNumber
16 bytes

PhoneNumber
16 bytes

String
24 bytes

char[]
32 bytes
16 data

char[]
24 bytes
12 data

char[]
40 bytes
24 data

byte[]
24 bytes
10 data

byte[]
24 bytes
10 data

byte[]
24 bytes
10 data

"John Doe"

"father"

"jdoe@aol.com"

Total overhead: 198 bytes
Total data: 82 bytes
Total size: 280 bytes

Bloat factor: 71%

EmployeeWithEmergencyContact

ContactPerson
40 bytes

String
24 bytes

String
24 bytes

String
24 bytes

byte[]
24 bytes
10 data

byte[]
24 bytes
10 data

byte[]
24 bytes
10 data

char[]
32 bytes
16 data

char[]
24 bytes
12 data

char[]
40 bytes
24 data

"jdoe@aol.com"

"John Doe"

"father"